

March 23, 2016



Prepared for:
CBRE, Inc.
99 Founders PL
East Hartford, CT 06108

On behalf of:
Bank of America, N.A.
525 North Tryon Street
NC1-023-09-01
Charlotte, North Carolina 28255

**Subject: Report of Soil Gas Assessment
 Bank of America Financial Center
 2700 Main Street
 Newfane, New York 14108
 Mail Code NY7-127**

Amec Foster Wheeler Environment and Infrastructure, Inc. (Amec Foster Wheeler) is pleased to provide this report of a soil gas assessment for the Bank of America (BOA) Financial Center located at 2700 Main Street, Newfane, New York, Postal Zip Code 14108. This report is intended for the use of BOA, subject to the contractual terms agreed to for this project. Reliance on this document by any other party is forbidden without the express, written consent of Amec Foster Wheeler. Use of this report for purposes beyond those reasonably intended by BOA will be at the sole risk of the user.

Project Information

The subject property consists of approximately 0.5 acres and was occupied at the time of the assessment by an approximately 4,446 square foot building, which was utilized as a financial center. The building is believed to have been constructed in the early 1970's, and consists of a single story with a sub-grade basement. The building once had two outdoor underground fuel oil storage tanks, which were removed in 1997. **Figure 1** provides the location of the subject property.

Scope of Work

The scope of work included collection of three soil vapor samples from designated locations to the east, south, and west of the building (samples identified as SG-1, SG-2, and SG-3, respectively). Additionally, one ambient air sample (sample OA-1) was collected near the west side of the building, near soil gas sample SG-3. The samples were analyzed for the TO-15 list of volatile organic compounds (VOCs), which includes aromatic hydrocarbons that could be

associated with fuel oil. The sampling event was conducted on Martin Luther King, Jr. day (January 18, 2016), which was a bank holiday. Once the samples were analyzed, they were summarized and compared to potentially applicable screening criteria. This report provides the results of the samples and the comparison to potentially applicable screening criteria.

Methodologies

On January 18, 2016, Amec Foster Wheeler installed three soil gas sampling points near the eastern, southern, and western exterior walls of the BOA Financial Center. The samples were numbered SG-1, SG-2, and SG-3, respectively. Additionally, one ambient air sample (OA-1) was collected near the western exterior wall, near soil gas sampling point SG-3. **Figure 2** provides a Site Plan showing the locations of the sample collection points.

The soil gas samples were collected in general accordance with the New York State Department of Health (NYSDOH) "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*" dated October 2006. The sampling points were advanced by driving a steel pipe into the ground to a depth of approximately two feet. Tubing was then placed into the open borehole and sealed around with the native clay. The dedicated sample tubing was purged and connected to a six-liter Summa canister. The canister valve was then opened and the soil gas grab sample was collected into the Summa canister. The samples were delivered to TestAmerica, Inc. in Amherst, New York, who, in turn, shipped them to TestAmerica's Burlington, Vermont laboratory for analysis. The samples were analyzed for VOCs via USEPA Method TO-15. Chain of custody protocols were maintained throughout sample collection, shipment, and analysis.

Soil-Gas Analytical Results

The three soil gas samples and one ambient air sample were successfully analyzed for VOCs. The results indicated that the following analytes were detected above the laboratory reporting limits (in the noted sample locations):

- 4-isopropyltoluene (SG-2),
- Acetone (SG-1),
- Carbon tetrachloride (SG-2, SG-3, and OA-1),
- Chloroform (SG-1),
- Chloromethane (OA-1),
- Cumene (SG-3),
- Methyl Ethyl Ketone (SG-1),
- Toluene (SG-3), and
- Trichlorofluoromethane (OA-1).

The State of New York does not have published guidelines for any of the detected constituents; therefore, the concentrations were conservatively compared to the United State Environmental Protection Agency (USEPA) Region 3 Regional Screening Levels (RSLs) for residential air. Only chloroform, detected in sample SG-1 at a concentration of 3.7 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) exceeded the USEPA Region 3 Composite Worker Air RSL of $0.53 \mu\text{g}/\text{m}^3$. **Table 1** provides a summary of the compounds detected in each soil gas sample and the ambient air sample. The USEPA Region 3 Composite Worker Air RSLs are provided for comparison, and the USEPA Region 3 Residential Air RSLs are provided for reference. **Appendix A** contains a copy of the laboratory analytical report.

It should be noted that the USEPA Region 3 Composite Worker Air and Residential Air RSLs were developed for comparison to indoor air in their respective setting, and are not directly applicable to soil gas concentrations. Soil gas concentrations are generally expected to attenuate to a certain degree during the transfer to indoor airspaces, and a number of factors including soil type, soil moisture content, soil carbon content, building slab construction, the building/subslab pressure differential, and the building air exchange rate all affect the resulting indoor air concentrations. The State of New York applies a 0.03 attenuation factor as a conservative guideline for transfers from subslab vapor to indoor air. Applying the default attenuation factor to the detected values indicates that the chloroform concentration detected in sample SG-1 is below the screening criterion that is protective of indoor air for either worker or residential scenarios. The NYSDOH Vapor Intrusion Guidance (NYSDOH 2006) indicates that soil vapor samples are not necessarily indicative of subslab soil vapor conditions due to the unpredictability of soil gas distributions. As such, the soil vapor results should only be used qualitatively, in order to determine if additional investigation is warranted.

Conclusions

The following conclusions are made based on the assessment activities and stated objectives for the scope of work. The laboratory analysis identified a single chloroform concentration that exceeded the USEPA Region 3 indoor air RSL for the Composite Worker. Although the indoor air guideline values are not directly applicable to soil gas, they can be used to qualitatively to determine if further evaluation is necessary. The State of New York applies a 0.03 attenuation factor to detected soil gas values. When the 0.03 attenuation factor is applied to the chloroform exceedance in the SG-1 sample, the result is below the USEPA Region 3 Composite Worker and Residential Air RSLs. Each of the other detected compounds was below the USEPA Region 3 Composite Worker and Residential Air RSLs. Based on these results, additional evaluation of soil gas or indoor air is not necessary.

Closing

Amec Foster Wheeler appreciates this opportunity to assist you on this project. If you have any questions regarding this submittal, please feel free to contact me at (412) 279-6661 or via email at robert.crowley@amecfw.com.

Respectfully Submitted,

Amec Foster Wheeler Environment & Infrastructure, Inc.



Robert E. Crowley
Senior Principal Scientist/Project Manager



Bradley K. Glisson, CHMM
Senior Environmental Scientist

cc:

Figure 1: Site Locus Map

Figure 2: Sample Locations

Table 1: Summary of Results – Detections Only

Appendix A: Laboratory Analytical Results

TABLES

Table 1
Summary of Soil Gas Screening - Detections Only
Bank of America Financial Center
2700 Main Street
Newfane, New York 14108

						Sample Name:		SG-1		SG-2		SG-3		OA-1	
						Date/Time:		1/18/2016 14:00		1/18/2016 14:10		1/18/2016 14:45		1/18/2016 14:50	
						Lab ID:		200-31641-1		200-31641-2		200-31641-3		200-31641-4	
Detected Compound	CAS Number	Units	NY Guideline ⁽¹⁾	USEPA Residential Air RSL ⁽²⁾	USEPA Composite Worker Air RSL ⁽³⁾	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
4-Isopropyltoluene	99-87-6	µg/m ³ ⁽⁴⁾	NV ⁽⁵⁾	NV	NV	1.1	U ⁽⁶⁾	1.2		1.1	U	1.1	U		
Acetone	67-64-1	µg/m ³	NV	32000	140000	12		12	U	12	U	12	U		
Carbon Tetrachloride	56-23-5	µg/m ³	NV	0.47	2.0	0.25	U	0.37		0.40		0.41			
Chloroform	67-66-3	µg/m ³	NV	0.12	0.53	3.7		0.98	U	0.98	U	0.98	U		
Chloromethane	74-87-3	µg/m ³	NV	94	390	1.0	U	1.0	U	1.0	U	1.3			
Cumene	98-82-8	µg/m ³	NV	420	1800	0.98	U	0.98	U	1.2		0.98	U		
Methyl Ethyl Ketone	78-93-3	µg/m ³	NV	5200	22000	2.5		1.5	U	1.5	U	1.5	U		
Toluene	108-88-3	µg/m ³	NV	5200	22000	0.75	U	0.75	U	0.90		0.75	U		
Trichlorofluoromethane	75-69-4	µg/m ³	NV	NV	NV	1.1	U	1.1	U	1.1	U	1.2			

(1) Indoor Air Guideline value published in Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, table 3.1 (in accordance with Section 3.3.1).

(2) Indoor air Residential Regional Screening Level, USEPA Region III, TR=1E-06, THQ=1.0.

(3) Composite Worker Air Regional Screening Level, USEPA Region III, TR=1E-06, THQ=1.0.

(4) "µg/m³" indicates micrograms per cubic meter.

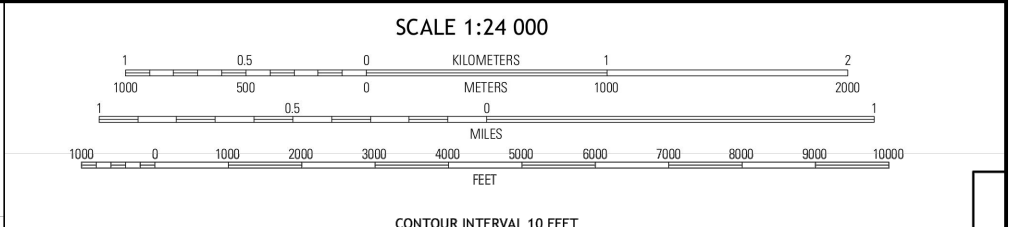
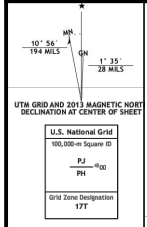
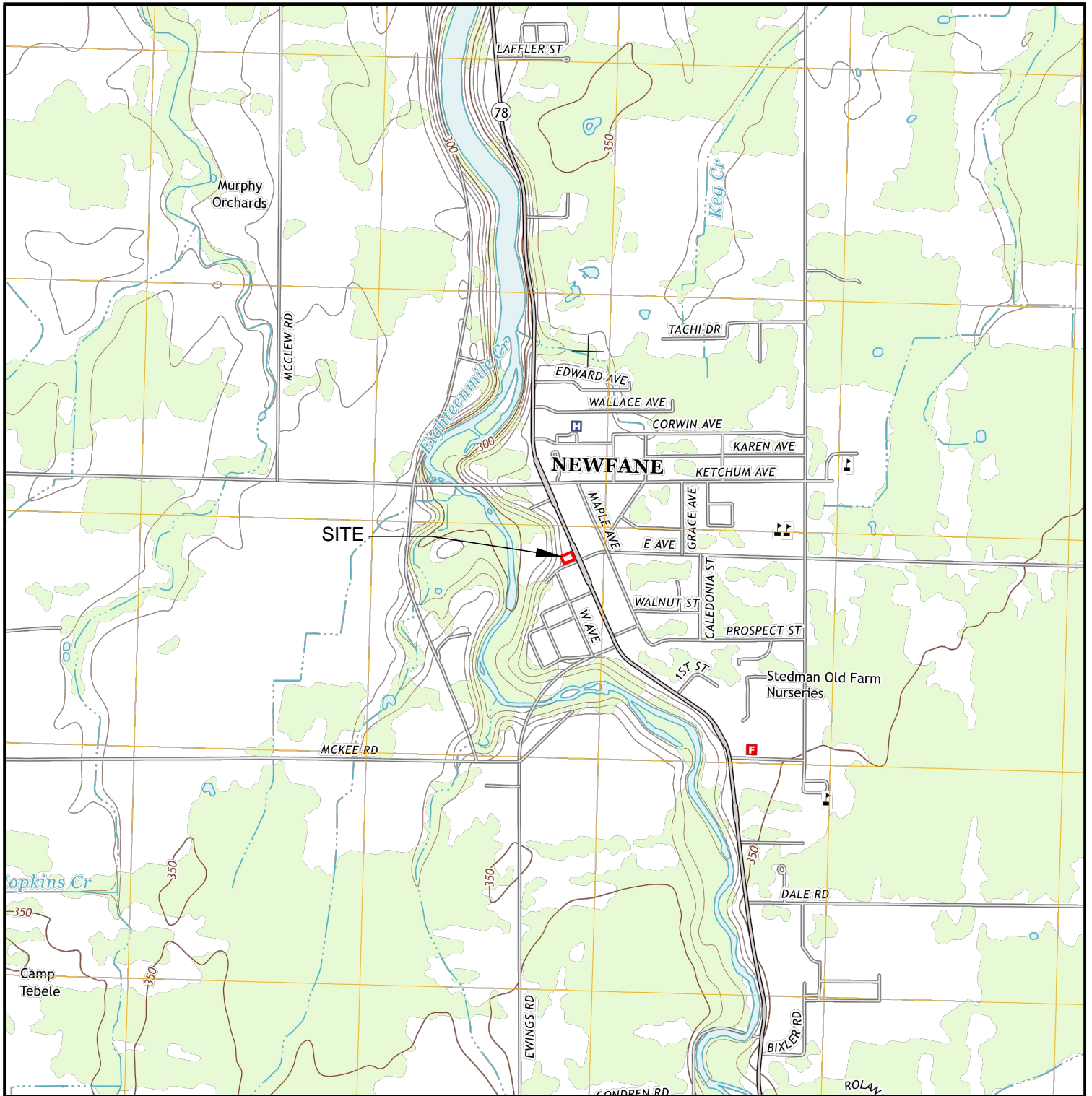
(5) "NV" indicates no screening value is available.

(6) "U" indicates the analyte was analyzed for but not detected; the value presented is the reporting limit.

Bold text indicates a detected concentration.


Highlight indicates an exceedance of an associated standard.

FIGURES



BANK OF AMERICA
NEWFANE, NEW YORK

Project No.: 3410161067



Environment & Infrastructure
 800 North Bell Ave.
 Suite 200
 Pittsburgh, PA 15106




SITE LOCATION MAP

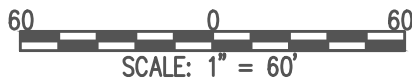
Figure: 1

1



LEGEND

-  PROPERTY LINE
-  SOIL GAS SAMPLE LOCATIONS
-  AIR SAMPLE LOCATIONS



BANK OF AMERICA
NIAGARA FALLS, NEW YORK

Project No.: 3410161067



Environment and
Infrastructure
800 North Bell Ave.
Suite 200
Pittsburgh, PA 15106

SOIL GAS AND
AMBIENT AIR
SAMPLE LOCATIONS

Figure: 2

APPENDIX A

ANALYTICAL REPORT

Job Number: 200-31641-1

SDG Number: 200-31641-1

Job Description: Bank of America – Newfane

For:

AMEC Foster Wheeler E & I, Inc
800 North Bell Avenue, Suite 200
Pittsburgh, PA 15106

Attention: Rob Crowley



Approved for release.
Don C Dawicki
Manager of Project Management
1/30/2016 3:01 PM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
01/30/2016

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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CASE NARRATIVE

Client: AMEC Foster Wheeler E & I, Inc

Project: Bank of America - Newfane

Report Number: 200-31641-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 01/20/2016; the samples arrived in good condition.

There was a discrepancy between the Chain of Custody (COC) and the sample tag for sample OA-1 (200-31641-4). The sample tag lists a collection time of 1455, while the COC lists a collection time of 1450. The sample was logged in using the time on the COC.

VOLATILE ORGANIC COMPOUNDS

Samples SG-1, SG-2, SG-3 and OA-1 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 01/23/2016 and 01/26/2016.

The laboratory control sample (LCS) recovered low for 3-Chloropropene, Bromoform, and Benzyl chloride, however, the continuing calibration verification (CCV) was in control. The following samples were affected: SG-1 (200-31641-1), SG-2 (200-31641-2) and SG-3 (200-31641-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHG.i Analysis Batch Number: 99657

Lab Sample ID: IC 200-99657/3 Client Sample ID: _____

Date Analyzed: 01/18/16 17:54 Lab File ID: 17836_03.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.42	Baseline	daiglep	01/19/16 10:32
Tetrachloroethene	16.24	Baseline	daiglep	01/19/16 08:39

Lab Sample ID: IC 200-99657/4 Client Sample ID: _____

Date Analyzed: 01/18/16 18:45 Lab File ID: 17836_04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	6.78	Baseline	daiglep	01/19/16 10:34
Acetonitrile	6.86	Wrong peak	daiglep	01/19/16 08:42
tert-Butyl alcohol	7.39	Wrong peak	daiglep	01/19/16 08:42
trans-1,2-Dichloroethene	7.54	Baseline	daiglep	01/19/16 08:42
Acrylonitrile	7.63	Baseline	daiglep	01/19/16 08:42
cis-1,2-Dichloroethene	9.49	Baseline	daiglep	01/19/16 08:42
Tetrahydrofuran	10.02	Baseline	daiglep	01/19/16 08:42
Cyclohexane	10.38	Baseline	daiglep	01/19/16 08:42
n-Heptane	11.53	Baseline	daiglep	01/19/16 08:42
1,2-Dichloropropane	12.90	Baseline	daiglep	01/19/16 08:42
1,4-Dioxane	13.21	Baseline	daiglep	01/19/16 08:42
n-Octane	15.24	Baseline	daiglep	01/19/16 08:42
2-Chlorotoluene	21.10	Baseline	daiglep	01/19/16 08:42

Lab Sample ID: IC 200-99657/6 Client Sample ID: _____

Date Analyzed: 01/18/16 20:27 Lab File ID: 17836_06.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	9.50	Baseline	daiglep	01/19/16 08:45
cis-1,3-Dichloropropene	14.45	Baseline	daiglep	01/19/16 08:45

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHG.i Analysis Batch Number: 99877

Lab Sample ID: MB 200-99877/4 Client Sample ID: _____

Date Analyzed: 01/22/16 13:54 Lab File ID: 17944_04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	7.05	Incomplete Integration	guazzonig	01/23/16 12:48

Lab Sample ID: 200-31641-4 Client Sample ID: OA-1

Date Analyzed: 01/23/16 05:17 Lab File ID: 17944_22.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Xylene, o-	19.40	Incomplete Integration	guazzonig	01/23/16 14:23

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHX.i Analysis Batch Number: 97814

Lab Sample ID: IC 200-97814/3 Client Sample ID: _____

Date Analyzed: 12/02/15 17:08 Lab File ID: 17105_03.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	9.78	Baseline	desjardin sb	12/04/15 09:48
Chloroform	10.39	Baseline	desjardin sb	12/04/15 09:48
Cyclohexane	10.65	Baseline	desjardin sb	12/04/15 09:48
n-Heptane	11.81	Baseline	desjardin sb	12/04/15 09:48
Trichloroethene	12.82	Baseline	desjardin sb	12/04/15 09:48
cis-1,3-Dichloropropene	15.00	Baseline	desjardin sb	12/04/15 09:48
1,1,2-Trichloroethane	16.66	Baseline	desjardin sb	12/04/15 09:48

Lab Sample ID: IC 200-97814/4 Client Sample ID: _____

Date Analyzed: 12/02/15 17:58 Lab File ID: 17105_04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.17	Baseline	desjardin sb	12/04/15 09:52
1,1,1-Trichloroethane	10.69	Baseline	desjardin sb	12/04/15 09:52

Lab Sample ID: IC 200-97814/9 Client Sample ID: _____

Date Analyzed: 12/02/15 22:12 Lab File ID: 17105_09.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.77	Split Peak	desjardin sb	12/04/15 09:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHX.i Analysis Batch Number: 99999

Lab Sample ID: CCVIS 200-99999/2 Client Sample ID: _____

Date Analyzed: 01/26/16 11:22 Lab File ID: 17998_02.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.78	Split Peak	guazzonig	01/26/16 12:23

Lab Sample ID: 200-31641-1 Client Sample ID: SG-1

Date Analyzed: 01/26/16 16:25 Lab File ID: 17998_08.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	11.44	Baseline	daiglep	01/27/16 11:12
n-Heptane	11.91	Baseline	daiglep	01/27/16 11:12

Lab Sample ID: 200-31641-2 Client Sample ID: SG-2

Date Analyzed: 01/26/16 17:16 Lab File ID: 17998_09.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	11.44	Baseline	daiglep	01/27/16 11:14

SAMPLE SUMMARY

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-31641-1	SG-1	Air	01/18/2016 1400	01/20/2016 1515
200-31641-2	SG-2	Air	01/18/2016 1410	01/20/2016 1515
200-31641-3	SG-3	Air	01/18/2016 1445	01/20/2016 1515
200-31641-4	OA-1	Air	01/18/2016 1450	01/20/2016 1515

EXECUTIVE SUMMARY - Detections

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-31641-1	SG-1					
Acetone		5.2		5.0	ppb v/v	TO-15
Acetone		12		12	ug/m3	TO-15
Methyl Ethyl Ketone		0.84		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.5		1.5	ug/m3	TO-15
Chloroform		0.75		0.20	ppb v/v	TO-15
Chloroform		3.7		0.98	ug/m3	TO-15
200-31641-2	SG-2					
Carbon tetrachloride		0.059		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.37		0.25	ug/m3	TO-15
4-Isopropyltoluene		0.22		0.20	ppb v/v	TO-15
4-Isopropyltoluene		1.2		1.1	ug/m3	TO-15
200-31641-3	SG-3					
Carbon tetrachloride		0.064		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.40		0.25	ug/m3	TO-15
Toluene		0.24		0.20	ppb v/v	TO-15
Toluene		0.90		0.75	ug/m3	TO-15
Cumene		0.25		0.20	ppb v/v	TO-15
Cumene		1.2		0.98	ug/m3	TO-15
200-31641-4	OA-1					
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
Trichlorofluoromethane		0.21		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Carbon tetrachloride		0.065		0.040	ppb v/v	TO-15
Carbon tetrachloride		0.41		0.25	ug/m3	TO-15

METHOD SUMMARY

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1
Sdg Number: 200-31641-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air Collection via Summa Canister	TAL BUR TAL BUR	EPA TO-15	Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method	Analyst	Analyst ID
EPA TO-15	Guazzoni, Gabriel G	GGG

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-1

Lab Sample ID: 200-31641-1

Date Sampled: 01/18/2016 1400

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_08.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1625		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1625		Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.040	U	0.040
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.2		5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U *	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.84		0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.75		0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.040	U	0.040
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-1

Lab Sample ID: 200-31641-1

Date Sampled: 01/18/2016 1400

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_08.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1625		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1625		Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.70	U	0.70
Styrene	0.20	U	0.20
Bromoform	0.20	U *	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U *	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.10	U	0.10
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12		12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-1

Lab Sample ID: 200-31641-1

Date Sampled: 01/18/2016 1400

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_08.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1625		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1625		Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	1.6	U *	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	2.5		1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	3.7		0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	0.25	U	0.25
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	0.21	U	0.21
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	3.0	U	3.0
Styrene	0.85	U	0.85
Bromoform	2.1	U *	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-1

Lab Sample ID: 200-31641-1

Date Sampled: 01/18/2016 1400

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99999	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17998_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/26/2016 1625			Final Weight/Volume:	200 mL
Prep Date:	01/26/2016 1625			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U *	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-2

Lab Sample ID: 200-31641-2

Date Sampled: 01/18/2016 1410

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99999	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17998_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/26/2016 1716			Final Weight/Volume:	200 mL
Prep Date:	01/26/2016 1716			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.040	U	0.040
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U *	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.059		0.040
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-2

Lab Sample ID: 200-31641-2

Date Sampled: 01/18/2016 1410

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i	
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_09.D	
Dilution: 1.0		Initial Weight/Volume: 200 mL	
Analysis Date: 01/26/2016 1716		Final Weight/Volume: 200 mL	
Prep Date: 01/26/2016 1716		Injection Volume: 200 mL	

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.70	U	0.70
Styrene	0.20	U	0.20
Bromoform	0.20	U *	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.22		0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U *	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.10	U	0.10
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-2

Lab Sample ID: 200-31641-2

Date Sampled: 01/18/2016 1410

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_09.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1716		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1716		Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	1.6	U *	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	0.37		0.25
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	0.21	U	0.21
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	3.0	U	3.0
Styrene	0.85	U	0.85
Bromoform	2.1	U *	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-2

Lab Sample ID: 200-31641-2

Date Sampled: 01/18/2016 1410

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99999	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17998_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/26/2016 1716			Final Weight/Volume:	200 mL
Prep Date:	01/26/2016 1716			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.2		1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U *	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-3

Lab Sample ID: 200-31641-3

Date Sampled: 01/18/2016 1445

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_10.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1806		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1806		Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.040	U	0.040
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U *	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.064		0.040
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.24		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-3

Lab Sample ID: 200-31641-3

Date Sampled: 01/18/2016 1445

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_10.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1806		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1806		Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.70	U	0.70
Styrene	0.20	U	0.20
Bromoform	0.20	U *	0.20
Cumene	0.25		0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U *	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.10	U	0.10
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-3

Lab Sample ID: 200-31641-3

Date Sampled: 01/18/2016 1445

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99999	Instrument ID: CHX.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17998_10.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1806		Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1806		Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	1.6	U *	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	0.40		0.25
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	0.21	U	0.21
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.90		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	3.0	U	3.0
Styrene	0.85	U	0.85
Bromoform	2.1	U *	2.1
Cumene	1.2		0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: SG-3

Lab Sample ID: 200-31641-3

Date Sampled: 01/18/2016 1445

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99999	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17998_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/26/2016 1806			Final Weight/Volume:	200 mL
Prep Date:	01/26/2016 1806			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U *	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: OA-1

Lab Sample ID: 200-31641-4

Date Sampled: 01/18/2016 1450

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99877	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17944_22.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/23/2016 0517			Final Weight/Volume:	200 mL
Prep Date:	01/23/2016 0517			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.61		0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.040	U	0.040
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.21		0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.065		0.040
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: OA-1

Lab Sample ID: 200-31641-4

Date Sampled: 01/18/2016 1450

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15	Analysis Batch: 200-99877	Instrument ID: CHG.i
Prep Method: Summa Canister	Prep Batch: N/A	Lab File ID: 17944_22.D
Dilution: 1.0		Initial Weight/Volume: 200 mL
Analysis Date: 01/23/2016 0517		Final Weight/Volume: 200 mL
Prep Date: 01/23/2016 0517		Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.70	U	0.70
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.3		1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.10	U	0.10
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.2		1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: OA-1

Lab Sample ID: 200-31641-4

Date Sampled: 01/18/2016 1450

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99877	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17944_22.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/23/2016 0517			Final Weight/Volume:	200 mL
Prep Date:	01/23/2016 0517			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	0.41		0.25
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	0.21	U	0.21
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	3.0	U	3.0
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0

Analytical Data

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Client Sample ID: OA-1

Lab Sample ID: 200-31641-4

Date Sampled: 01/18/2016 1450

Client Matrix: Air

Date Received: 01/20/2016 1515

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99877	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17944_22.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/23/2016 0517			Final Weight/Volume:	200 mL
Prep Date:	01/23/2016 0517			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99877

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99877/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/22/2016 1354
 Prep Date: 01/22/2016 1354
 Leach Date: N/A

Analysis Batch: 200-99877
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: CHG.i
 Lab File ID: 17944_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.040	U	0.040
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.040	U	0.040
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99877

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99877/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/22/2016 1354
 Prep Date: 01/22/2016 1354
 Leach Date: N/A

Analysis Batch: 200-99877
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: CHG.i
 Lab File ID: 17944_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	0.20	U	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.70	U	0.70
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99877

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99877/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/22/2016 1354
 Prep Date: 01/22/2016 1354
 Leach Date: N/A

Analysis Batch: 200-99877
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: CHG.i
 Lab File ID: 17944_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.10	U	0.10
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	0.25	U	0.25
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	0.21	U	0.21
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99877

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99877/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/22/2016 1354
 Prep Date: 01/22/2016 1354
 Leach Date: N/A

Analysis Batch: 200-99877
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: CHG.i
 Lab File ID: 17944_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	3.0	U	3.0
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1
Sdg Number: 200-31641-1

Lab Control Sample - Batch: 200-99877

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-99877/3	Analysis Batch: 200-99877	Instrument ID: CHG.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: 17944_03.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 01/22/2016 1303	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 01/22/2016 1303		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.90	99	70 - 130	
Freon 22	10.0	10.3	103	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.1	111	70 - 130	
Chloromethane	10.0	9.68	97	70 - 130	
n-Butane	10.0	9.87	99	70 - 130	
Vinyl chloride	10.0	9.52	95	70 - 130	
1,3-Butadiene	10.0	9.79	98	70 - 130	
Bromomethane	10.0	9.94	99	70 - 130	
Chloroethane	10.0	10.1	101	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.92	99	70 - 130	
Trichlorofluoromethane	10.0	9.55	96	70 - 130	
Freon TF	10.0	9.90	99	70 - 130	
1,1-Dichloroethene	10.0	9.92	99	70 - 130	
Acetone	10.0	9.81	98	70 - 130	
Isopropyl alcohol	10.0	8.87	89	70 - 130	
Carbon disulfide	10.0	11.8	118	70 - 130	
3-Chloropropene	10.0	10.1	101	70 - 130	
Methylene Chloride	10.0	9.77	98	70 - 130	
tert-Butyl alcohol	10.0	9.45	95	70 - 130	
Methyl tert-butyl ether	10.0	10.1	101	70 - 130	
trans-1,2-Dichloroethene	10.0	10.9	109	70 - 130	
n-Hexane	10.0	11.1	111	70 - 130	
1,1-Dichloroethane	10.0	10.4	104	70 - 130	
Methyl Ethyl Ketone	10.0	10.2	102	70 - 130	
cis-1,2-Dichloroethene	10.0	9.99	100	70 - 130	
Chloroform	10.0	10.2	102	70 - 130	
Tetrahydrofuran	10.0	9.75	98	70 - 130	
1,1,1-Trichloroethane	10.0	9.62	96	70 - 130	
Cyclohexane	10.0	9.74	97	70 - 130	
Carbon tetrachloride	10.0	10.5	105	70 - 130	
2,2,4-Trimethylpentane	10.0	9.43	94	70 - 130	
Benzene	10.0	9.62	96	70 - 130	
1,2-Dichloroethane	10.0	9.71	97	70 - 130	
n-Heptane	10.0	9.29	93	70 - 130	
Trichloroethene	10.0	9.53	95	70 - 130	
Methyl methacrylate	10.0	10.2	102	70 - 130	
1,2-Dichloropropane	10.0	9.62	96	70 - 130	
1,4-Dioxane	10.0	9.30	93	70 - 130	
Bromodichloromethane	10.0	9.87	99	70 - 130	
cis-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
methyl isobutyl ketone	10.0	9.03	90	70 - 130	
Toluene	10.0	9.71	97	70 - 130	
trans-1,3-Dichloropropene	10.0	10.3	103	70 - 130	
1,1,2-Trichloroethane	10.0	10.0	100	70 - 130	
Tetrachloroethene	10.0	9.38	94	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.96	90	70 - 130	

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1
Sdg Number: 200-31641-1

Lab Control Sample - Batch: 200-99877

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-99877/3	Analysis Batch: 200-99877	Instrument ID: CHG.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: 17944_03.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 01/22/2016 1303	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 01/22/2016 1303		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.3	103	70 - 130	
1,2-Dibromoethane	10.0	10.2	102	70 - 130	
Chlorobenzene	10.0	9.92	99	70 - 130	
Ethylbenzene	10.0	9.79	98	70 - 130	
m,p-Xylene	20.0	19.5	97	70 - 130	
Xylene, o-	10.0	9.60	96	70 - 130	
Styrene	10.0	10.2	102	70 - 130	
Bromoform	10.0	11.0	110	70 - 130	
Cumene	10.0	9.59	96	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.98	100	70 - 130	
n-Propylbenzene	10.0	9.75	98	70 - 130	
4-Ethyltoluene	10.0	9.88	99	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.60	96	70 - 130	
2-Chlorotoluene	10.0	9.62	96	70 - 130	
tert-Butylbenzene	10.0	9.60	96	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.60	96	70 - 130	
sec-Butylbenzene	10.0	9.64	96	70 - 130	
4-Isopropyltoluene	10.0	9.63	96	70 - 130	
1,3-Dichlorobenzene	10.0	9.70	97	70 - 130	
1,4-Dichlorobenzene	10.0	9.73	97	70 - 130	
Benzyl chloride	10.0	10.2	102	70 - 130	
n-Butylbenzene	10.0	9.71	97	70 - 130	
1,2-Dichlorobenzene	10.0	9.59	96	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.24	92	70 - 130	
Hexachlorobutadiene	10.0	9.15	92	70 - 130	
Naphthalene	10.0	9.44	94	70 - 130	

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99999

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99999/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/26/2016 1302
 Prep Date: 01/26/2016 1302
 Leach Date: N/A

Analysis Batch: 200-99999
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: CHX.i
 Lab File ID: 17998_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Freon 22	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Chloromethane	0.50	U	0.50
n-Butane	0.50	U	0.50
Vinyl chloride	0.040	U	0.040
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
Freon TF	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Isopropyl alcohol	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
tert-Butyl alcohol	5.0	U	5.0
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
Tetrahydrofuran	5.0	U	5.0
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.040	U	0.040
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Methyl methacrylate	0.50	U	0.50
1,2-Dichloropropane	0.20	U	0.20
1,4-Dioxane	5.0	U	5.0
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1
Sdg Number: 200-31641-1

Method Blank - Batch: 200-99999

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99999/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 01/26/2016 1302
Prep Date: 01/26/2016 1302
Leach Date: N/A

Analysis Batch: 200-99999
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHX.i
Lab File ID: 17998_04.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	0.20	U	0.20
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.70	U	0.70
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
n-Propylbenzene	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
2-Chlorotoluene	0.20	U	0.20
tert-Butylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
Benzyl chloride	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50
Hexachlorobutadiene	0.20	U	0.20
Naphthalene	0.50	U	0.50

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99999

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99999/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/26/2016 1302
 Prep Date: 01/26/2016 1302
 Leach Date: N/A

Analysis Batch: 200-99999
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: CHX.i
 Lab File ID: 17998_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
Freon 22	1.8	U	1.8
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Chloromethane	1.0	U	1.0
n-Butane	1.2	U	1.2
Vinyl chloride	0.10	U	0.10
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
Freon TF	1.5	U	1.5
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Isopropyl alcohol	12	U	12
Carbon disulfide	1.6	U	1.6
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
tert-Butyl alcohol	15	U	15
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
Tetrahydrofuran	15	U	15
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	0.25	U	0.25
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	0.21	U	0.21
Methyl methacrylate	2.0	U	2.0
1,2-Dichloropropane	0.92	U	0.92
1,4-Dioxane	18	U	18
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Method Blank - Batch: 200-99999

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99999/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/26/2016 1302
 Prep Date: 01/26/2016 1302
 Leach Date: N/A

Analysis Batch: 200-99999
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: CHX.i
 Lab File ID: 17998_04.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL
Tetrachloroethene	1.4	U	1.4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	3.0	U	3.0
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
n-Propylbenzene	0.98	U	0.98
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98
2-Chlorotoluene	1.0	U	1.0
tert-Butylbenzene	1.1	U	1.1
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
Benzyl chloride	1.0	U	1.0
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2
1,2,4-Trichlorobenzene	3.7	U	3.7
Hexachlorobutadiene	2.1	U	2.1
Naphthalene	2.6	U	2.6

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Lab Control Sample - Batch: 200-99999

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-99999/3	Analysis Batch: 200-99999	Instrument ID: CHX.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: 17998_03.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1212	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1212		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.34	93	70 - 130	
Freon 22	10.0	9.33	93	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.2	102	70 - 130	
Chloromethane	10.0	8.66	87	70 - 130	
n-Butane	10.0	8.39	84	70 - 130	
Vinyl chloride	10.0	8.81	88	70 - 130	
1,3-Butadiene	10.0	8.36	84	70 - 130	
Bromomethane	10.0	9.24	92	70 - 130	
Chloroethane	10.0	9.04	90	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.13	91	70 - 130	
Trichlorofluoromethane	10.0	9.07	91	70 - 130	
Freon TF	10.0	9.33	93	70 - 130	
1,1-Dichloroethene	10.0	9.05	90	70 - 130	
Acetone	10.0	9.93	99	70 - 130	
Isopropyl alcohol	10.0	7.94	79	70 - 130	
Carbon disulfide	10.0	10.5	105	70 - 130	
3-Chloropropene	10.0	6.89	69	70 - 130	*
Methylene Chloride	10.0	8.46	85	70 - 130	
tert-Butyl alcohol	10.0	8.44	84	70 - 130	
Methyl tert-butyl ether	10.0	8.80	88	70 - 130	
trans-1,2-Dichloroethene	10.0	9.54	95	70 - 130	
n-Hexane	10.0	9.21	92	70 - 130	
1,1-Dichloroethane	10.0	8.97	90	70 - 130	
Methyl Ethyl Ketone	10.0	9.27	93	70 - 130	
cis-1,2-Dichloroethene	10.0	9.54	95	70 - 130	
Chloroform	10.0	9.73	97	70 - 130	
Tetrahydrofuran	10.0	9.86	99	70 - 130	
1,1,1-Trichloroethane	10.0	9.44	94	70 - 130	
Cyclohexane	10.0	9.76	98	70 - 130	
Carbon tetrachloride	10.0	7.32	73	70 - 130	
2,2,4-Trimethylpentane	10.0	9.87	99	70 - 130	
Benzene	10.0	9.73	97	70 - 130	
1,2-Dichloroethane	10.0	9.80	98	70 - 130	
n-Heptane	10.0	10.2	102	70 - 130	
Trichloroethene	10.0	9.87	99	70 - 130	
Methyl methacrylate	10.0	10.1	101	70 - 130	
1,2-Dichloropropane	10.0	10.6	106	70 - 130	
1,4-Dioxane	10.0	10.5	105	70 - 130	
Bromodichloromethane	10.0	9.63	96	70 - 130	
cis-1,3-Dichloropropene	10.0	10.3	103	70 - 130	
methyl isobutyl ketone	10.0	11.1	111	70 - 130	
Toluene	10.0	9.61	96	70 - 130	
trans-1,3-Dichloropropene	10.0	9.85	99	70 - 130	
1,1,2-Trichloroethane	10.0	10.3	103	70 - 130	
Tetrachloroethene	10.0	9.63	96	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8	108	70 - 130	

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Lab Control Sample - Batch: 200-99999

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-99999/3	Analysis Batch: 200-99999	Instrument ID: CHX.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: 17998_03.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 01/26/2016 1212	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 01/26/2016 1212		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	8.36	84	70 - 130	
1,2-Dibromoethane	10.0	10.0	100	70 - 130	
Chlorobenzene	10.0	9.66	97	70 - 130	
Ethylbenzene	10.0	9.61	96	70 - 130	
m,p-Xylene	20.0	18.9	95	70 - 130	
Xylene, o-	10.0	9.29	93	70 - 130	
Styrene	10.0	9.31	93	70 - 130	
Bromoform	10.0	6.75	68	70 - 130	*
Cumene	10.0	9.34	93	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70 - 130	
n-Propylbenzene	10.0	9.88	99	70 - 130	
4-Ethyltoluene	10.0	10.5	105	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.92	99	70 - 130	
2-Chlorotoluene	10.0	9.81	98	70 - 130	
tert-Butylbenzene	10.0	9.82	98	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.55	95	70 - 130	
sec-Butylbenzene	10.0	9.05	91	70 - 130	
4-Isopropyltoluene	10.0	8.47	85	70 - 130	
1,3-Dichlorobenzene	10.0	10.5	105	70 - 130	
1,4-Dichlorobenzene	10.0	10.5	105	70 - 130	
Benzyl chloride	10.0	6.54	65	70 - 130	*
n-Butylbenzene	10.0	10.2	102	70 - 130	
1,2-Dichlorobenzene	10.0	9.16	92	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.2	102	70 - 130	
Hexachlorobutadiene	10.0	10.4	104	70 - 130	
Naphthalene	10.0	9.98	100	70 - 130	

DATA REPORTING QUALIFIERS

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

Lab Section	Qualifier	Description
Air - GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

Sdg Number: 200-31641-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-99877					
LCS 200-99877/3	Lab Control Sample	T	Air	TO-15	
MB 200-99877/4	Method Blank	T	Air	TO-15	
200-31641-4	OA-1	T	Air	TO-15	
Analysis Batch:200-99999					
LCS 200-99999/3	Lab Control Sample	T	Air	TO-15	
MB 200-99999/4	Method Blank	T	Air	TO-15	
200-31641-1	SG-1	T	Air	TO-15	
200-31641-2	SG-2	T	Air	TO-15	
200-31641-3	SG-3	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1
SDG: 200-31641-1

Laboratory Chronicle

Lab ID: 200-31641-1

Client ID: SG-1

Sample Date/Time: 01/18/2016 14:00 Received Date/Time: 01/20/2016 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31641-A-1		200-99999		01/26/2016 16:25	1	TAL BUR	GGG
A:TO-15	200-31641-A-1		200-99999		01/26/2016 16:25	1	TAL BUR	GGG

Lab ID: 200-31641-2

Client ID: SG-2

Sample Date/Time: 01/18/2016 14:10 Received Date/Time: 01/20/2016 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31641-A-2		200-99999		01/26/2016 17:16	1	TAL BUR	GGG
A:TO-15	200-31641-A-2		200-99999		01/26/2016 17:16	1	TAL BUR	GGG

Lab ID: 200-31641-3

Client ID: SG-3

Sample Date/Time: 01/18/2016 14:45 Received Date/Time: 01/20/2016 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31641-A-3		200-99999		01/26/2016 18:06	1	TAL BUR	GGG
A:TO-15	200-31641-A-3		200-99999		01/26/2016 18:06	1	TAL BUR	GGG

Lab ID: 200-31641-4

Client ID: OA-1

Sample Date/Time: 01/18/2016 14:50 Received Date/Time: 01/20/2016 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31641-A-4		200-99877		01/23/2016 05:17	1	TAL BUR	GGG
A:TO-15	200-31641-A-4		200-99877		01/23/2016 05:17	1	TAL BUR	GGG

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-99877/4		200-99877		01/22/2016 13:54	1	TAL BUR	GGG
A:TO-15	MB 200-99877/4		200-99877		01/22/2016 13:54	1	TAL BUR	GGG
P:Summa Canister	MB 200-99999/4		200-99999		01/26/2016 13:02	1	TAL BUR	GGG
A:TO-15	MB 200-99999/4		200-99999		01/26/2016 13:02	1	TAL BUR	GGG

Quality Control Results

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1
SDG: 200-31641-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-99877/3		200-99877		01/22/2016 13:03	1	TAL BUR	GGG
A:TO-15	LCS 200-99877/3		200-99877		01/22/2016 13:03	1	TAL BUR	GGG
P:Summa Canister	LCS 200-99999/3		200-99999		01/26/2016 12:12	1	TAL BUR	GGG
A:TO-15	LCS 200-99999/3		200-99999		01/26/2016 12:12	1	TAL BUR	GGG

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

Client: AMEC Foster Wheeler E & I, Inc
 Project/Site: Bank of America – Newfane

TestAmerica Job ID: 200-31641-1
 SDG: 200-31641-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSC	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

SDG No.: 200-31641-1

Matrix: Air Level: Low

Lab File ID: 17944_03.D

Lab ID: LCS 200-99877/3

Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.90	99	70-130	
Freon 22	10.0	10.3	103	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.1	111	70-130	
Chloromethane	10.0	9.68	97	70-130	
n-Butane	10.0	9.87	99	70-130	
Vinyl chloride	10.0	9.52	95	70-130	
1,3-Butadiene	10.0	9.79	98	70-130	
Bromomethane	10.0	9.94	99	70-130	
Chloroethane	10.0	10.1	101	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.92	99	70-130	
Trichlorofluoromethane	10.0	9.55	96	70-130	
Freon TF	10.0	9.90	99	70-130	
1,1-Dichloroethene	10.0	9.92	99	70-130	
Acetone	10.0	9.81	98	70-130	
Isopropyl alcohol	10.0	8.87	89	70-130	
Carbon disulfide	10.0	11.8	118	70-130	
3-Chloropropene	10.0	10.1	101	70-130	
Methylene Chloride	10.0	9.77	98	70-130	
tert-Butyl alcohol	10.0	9.45	95	70-130	
Methyl tert-butyl ether	10.0	10.1	101	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	11.1	111	70-130	
1,1-Dichloroethane	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	10.2	102	70-130	
cis-1,2-Dichloroethene	10.0	9.99	100	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	9.75	98	70-130	
1,1,1-Trichloroethane	10.0	9.62	96	70-130	
Cyclohexane	10.0	9.74	97	70-130	
Carbon tetrachloride	10.0	10.5	105	70-130	
2,2,4-Trimethylpentane	10.0	9.43	94	70-130	
Benzene	10.0	9.62	96	70-130	
1,2-Dichloroethane	10.0	9.71	97	70-130	
n-Heptane	10.0	9.29	93	70-130	
Trichloroethene	10.0	9.53	95	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.62	96	70-130	
1,4-Dioxane	10.0	9.30	93	70-130	
Bromodichloromethane	10.0	9.87	99	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.03	90	70-130	
Toluene	10.0	9.71	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Matrix: Air Level: Low Lab File ID: 17944_03.D
 Lab ID: LCS 200-99877/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.3	103	70-130	
1,1,2-Trichloroethane	10.0	10.0	100	70-130	
Tetrachloroethene	10.0	9.38	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.96	90	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	10.2	102	70-130	
Chlorobenzene	10.0	9.92	99	70-130	
Ethylbenzene	10.0	9.79	98	70-130	
m,p-Xylene	20.0	19.5	97	70-130	
Xylene, o-	10.0	9.60	96	70-130	
Styrene	10.0	10.2	102	70-130	
Bromoform	10.0	11.0	110	70-130	
Cumene	10.0	9.59	96	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.98	100	70-130	
n-Propylbenzene	10.0	9.75	98	70-130	
4-Ethyltoluene	10.0	9.88	99	70-130	
1,3,5-Trimethylbenzene	10.0	9.60	96	70-130	
2-Chlorotoluene	10.0	9.62	96	70-130	
tert-Butylbenzene	10.0	9.60	96	70-130	
1,2,4-Trimethylbenzene	10.0	9.60	96	70-130	
sec-Butylbenzene	10.0	9.64	96	70-130	
4-Isopropyltoluene	10.0	9.63	96	70-130	
1,3-Dichlorobenzene	10.0	9.70	97	70-130	
1,4-Dichlorobenzene	10.0	9.73	97	70-130	
Benzyl chloride	10.0	10.2	102	70-130	
n-Butylbenzene	10.0	9.71	97	70-130	
1,2-Dichlorobenzene	10.0	9.59	96	70-130	
1,2,4-Trichlorobenzene	10.0	9.24	92	70-130	
Hexachlorobutadiene	10.0	9.15	92	70-130	
Naphthalene	10.0	9.44	94	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

SDG No.: 200-31641-1

Matrix: Air Level: Low

Lab File ID: 17998_03.D

Lab ID: LCS 200-99999/3

Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.34	93	70-130	
Freon 22	10.0	9.33	93	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.2	102	70-130	
Chloromethane	10.0	8.66	87	70-130	
n-Butane	10.0	8.39	84	70-130	
Vinyl chloride	10.0	8.81	88	70-130	
1,3-Butadiene	10.0	8.36	84	70-130	
Bromomethane	10.0	9.24	92	70-130	
Chloroethane	10.0	9.04	90	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.13	91	70-130	
Trichlorofluoromethane	10.0	9.07	91	70-130	
Freon TF	10.0	9.33	93	70-130	
1,1-Dichloroethene	10.0	9.05	90	70-130	
Acetone	10.0	9.93	99	70-130	
Isopropyl alcohol	10.0	7.94	79	70-130	
Carbon disulfide	10.0	10.5	105	70-130	
3-Chloropropene	10.0	6.89	69	70-130	*
Methylene Chloride	10.0	8.46	85	70-130	
tert-Butyl alcohol	10.0	8.44	84	70-130	
Methyl tert-butyl ether	10.0	8.80	88	70-130	
trans-1,2-Dichloroethene	10.0	9.54	95	70-130	
n-Hexane	10.0	9.21	92	70-130	
1,1-Dichloroethane	10.0	8.97	90	70-130	
Methyl Ethyl Ketone	10.0	9.27	93	70-130	
cis-1,2-Dichloroethene	10.0	9.54	95	70-130	
Chloroform	10.0	9.73	97	70-130	
Tetrahydrofuran	10.0	9.86	99	70-130	
1,1,1-Trichloroethane	10.0	9.44	94	70-130	
Cyclohexane	10.0	9.76	98	70-130	
Carbon tetrachloride	10.0	7.32	73	70-130	
2,2,4-Trimethylpentane	10.0	9.87	99	70-130	
Benzene	10.0	9.73	97	70-130	
1,2-Dichloroethane	10.0	9.80	98	70-130	
n-Heptane	10.0	10.2	102	70-130	
Trichloroethene	10.0	9.87	99	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	10.5	105	70-130	
Bromodichloromethane	10.0	9.63	96	70-130	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	
methyl isobutyl ketone	10.0	11.1	111	70-130	
Toluene	10.0	9.61	96	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Matrix: Air Level: Low Lab File ID: 17998_03.D
 Lab ID: LCS 200-99999/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.85	99	70-130	
1,1,2-Trichloroethane	10.0	10.3	103	70-130	
Tetrachloroethene	10.0	9.63	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8	108	70-130	
Dibromochloromethane	10.0	8.36	84	70-130	
1,2-Dibromoethane	10.0	10.0	100	70-130	
Chlorobenzene	10.0	9.66	97	70-130	
Ethylbenzene	10.0	9.61	96	70-130	
m,p-Xylene	20.0	18.9	95	70-130	
Xylene, o-	10.0	9.29	93	70-130	
Styrene	10.0	9.31	93	70-130	
Bromoform	10.0	6.75	68	70-130	*
Cumene	10.0	9.34	93	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70-130	
n-Propylbenzene	10.0	9.88	99	70-130	
4-Ethyltoluene	10.0	10.5	105	70-130	
1,3,5-Trimethylbenzene	10.0	9.92	99	70-130	
2-Chlorotoluene	10.0	9.81	98	70-130	
tert-Butylbenzene	10.0	9.82	98	70-130	
1,2,4-Trimethylbenzene	10.0	9.55	95	70-130	
sec-Butylbenzene	10.0	9.05	91	70-130	
4-Isopropyltoluene	10.0	8.47	85	70-130	
1,3-Dichlorobenzene	10.0	10.5	105	70-130	
1,4-Dichlorobenzene	10.0	10.5	105	70-130	
Benzyl chloride	10.0	6.54	65	70-130	*
n-Butylbenzene	10.0	10.2	102	70-130	
1,2-Dichlorobenzene	10.0	9.16	92	70-130	
1,2,4-Trichlorobenzene	10.0	10.2	102	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	9.98	100	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab File ID: 17944_04.D Lab Sample ID: MB 200-99877/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: CHG.i Date Analyzed: 01/22/2016 13:54
 GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-99877/3	17944_03.D	01/22/2016 13:03
OA-1	200-31641-4	17944_22.D	01/23/2016 05:17

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab File ID: 17998_04.D Lab Sample ID: MB 200-99999/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: CHX.i Date Analyzed: 01/26/2016 13:02
 GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-99999/3	17998_03.D	01/26/2016 12:12
SG-1	200-31641-1	17998_08.D	01/26/2016 16:25
SG-2	200-31641-2	17998_09.D	01/26/2016 17:16
SG-3	200-31641-3	17998_10.D	01/26/2016 18:06

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab File ID: 17836_01.D BFB Injection Date: 01/18/2016
 Instrument ID: CHG.i BFB Injection Time: 16:04
 Analysis Batch No.: 99657

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	11.1
75	30.0 - 66.0% of mass 95	37.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.4) 1
174	50.0 - 120.0% of mass 95	101.4
175	4.0 - 9.0 % of mass 174	7.0 (6.9) 1
176	93.0 - 101.0% of mass 174	99.5 (98.1) 1
177	5.0 - 9.0% of mass 176	6.6 (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
	IC 200-99657/3	17836_03.D	01/18/2016	17:54
	IC 200-99657/4	17836_04.D	01/18/2016	18:45
	IC 200-99657/6	17836_06.D	01/18/2016	20:27
	IC 200-99657/7	17836_07.D	01/18/2016	21:19
	ICIS 200-99657/8	17836_08.D	01/18/2016	22:10
	IC 200-99657/9	17836_09.D	01/18/2016	23:02
	IC 200-99657/10	17836_10.D	01/18/2016	23:53
	IC 200-99657/11	17836_11.D	01/19/2016	00:44
	ICV 200-99657/17	17836_17.D	01/19/2016	05:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab File ID: 17944_01.D BFB Injection Date: 01/22/2016
 Instrument ID: CHG.i BFB Injection Time: 11:17
 Analysis Batch No.: 99877

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.0	
75	30.0 - 66.0% of mass 95	37.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.4	(0.4) 1
174	50.0 - 120.0% of mass 95	98.6	
175	4.0 - 9.0 % of mass 174	6.8	(6.9) 1
176	93.0 - 101.0% of mass 174	96.2	(97.6) 1
177	5.0 - 9.0% of mass 176	6.3	(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 200-99877/2	17944_02.D	01/22/2016	12:11
	LCS 200-99877/3	17944_03.D	01/22/2016	13:03
	MB 200-99877/4	17944_04.D	01/22/2016	13:54
OA-1	200-31641-4	17944_22.D	01/23/2016	05:17

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab File ID: 17105_01.D BFB Injection Date: 12/02/2015
 Instrument ID: CHX.i BFB Injection Time: 15:20
 Analysis Batch No.: 97814

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.2
75	30.0 - 66.0% of mass 95	41.0
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	0.7 (0.7) 1
174	50.0 - 120.0% of mass 95	97.6
175	4.0 - 9.0 % of mass 174	6.8 (7.0) 1
176	93.0 - 101.0% of mass 174	94.6 (96.9) 1
177	5.0 - 9.0% of mass 176	6.1 (6.5) 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 200-97814/3	17105_03.D	12/02/2015	17:08
	IC 200-97814/4	17105_04.D	12/02/2015	17:58
	IC 200-97814/5	17105_05.D	12/02/2015	18:49
	IC 200-97814/6	17105_06.D	12/02/2015	19:39
	ICIS 200-97814/7	17105_07.D	12/02/2015	20:30
	IC 200-97814/8	17105_08.D	12/02/2015	21:21
	IC 200-97814/9	17105_09.D	12/02/2015	22:12
	IC 200-97814/10	17105_10.D	12/02/2015	23:02
	ICV 200-97814/13	17105_13.D	12/03/2015	01:34

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab File ID: 17998_01.D BFB Injection Date: 01/26/2016
 Instrument ID: CHX.i BFB Injection Time: 10:23
 Analysis Batch No.: 99999

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.5	
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	0.7	(0.7) 1
174	50.0 - 120.0% of mass 95	98.4	
175	4.0 - 9.0 % of mass 174	6.8	(6.9) 1
176	93.0 - 101.0% of mass 174	94.8	(96.3) 1
177	5.0 - 9.0% of mass 176	6.0	(6.3) 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 200-99999/2	17998_02.D	01/26/2016	11:22
	LCS 200-99999/3	17998_03.D	01/26/2016	12:12
	MB 200-99999/4	17998_04.D	01/26/2016	13:02
SG-1	200-31641-1	17998_08.D	01/26/2016	16:25
SG-2	200-31641-2	17998_09.D	01/26/2016	17:16
SG-3	200-31641-3	17998_10.D	01/26/2016	18:06

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

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Sample No.: ICIS 200-99657/8 Date Analyzed: 01/18/2016 22:10
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17836_08.D Heated Purge: (Y/N) N
 Calibration ID: 33328

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	227489	9.94	1237029	11.92	1995046	18.06
UPPER LIMIT	318485	10.27	1731841	12.25	2793064	18.39
LOWER LIMIT	136493	9.61	742217	11.59	1197028	17.73
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-99657/17	244454	9.94	1363780	11.92	2102247	18.06

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Sample No.: CCVIS 200-99877/2 Date Analyzed: 01/22/2016 12:11
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17944_02.D Heated Purge: (Y/N) N
 Calibration ID: 33328

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	322447	9.94	1802895	11.92	2936446	18.05	
UPPER LIMIT	451426	10.27	2524053	12.25	4111024	18.38	
LOWER LIMIT	193468	9.61	1081737	11.59	1761868	17.72	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-99877/3	284943	9.94	1584298	11.92	2532676	18.05	
MB 200-99877/4	282880	9.94	1660509	11.92	2500129	18.05	
200-31641-4	OA-1	287831	9.93	1640639	11.92	2644769	18.05

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Sample No.: ICIS 200-97814/7 Date Analyzed: 12/02/2015 20:30
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17105_07.D Heated Purge: (Y/N) N
 Calibration ID: 32893

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	269793	10.27	1512521	12.34	1410922	18.68
UPPER LIMIT	377710	10.60	2117529	12.67	1975291	19.01
LOWER LIMIT	161876	9.94	907513	12.01	846553	18.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-97814/13	278960	10.27	1568240	12.34	1468004	18.68

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Sample No.: CCVIS 200-99999/2 Date Analyzed: 01/26/2016 11:22
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17998_02.D Heated Purge: (Y/N) N
 Calibration ID: 32893

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	357869	10.27	1991826	12.34	1918262	18.67	
UPPER LIMIT	501017	10.60	2788556	12.67	2685567	19.00	
LOWER LIMIT	214721	9.94	1195096	12.01	1150957	18.34	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-99999/3	360859	10.26	2039901	12.33	1950613	18.67	
MB 200-99999/4	341929	10.27	2041820	12.34	1875679	18.67	
200-31641-1	SG-1	342025	10.26	1965435	12.33	1890525	18.67
200-31641-2	SG-2	341785	10.26	1971379	12.33	1899129	18.67
200-31641-3	SG-3	337998	10.26	1939551	12.33	1841672	18.67

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-1 Lab Sample ID: 200-31641-1
 Matrix: Air Lab File ID: 17998_08.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 16:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50
75-45-6	Freon 22	86.47	0.50	U	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20
74-87-3	Chloromethane	50.49	0.50	U	0.50
106-97-8	n-Butane	58.12	0.50	U	0.50
75-01-4	Vinyl chloride	62.50	0.040	U	0.040
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20
74-83-9	Bromomethane	94.94	0.20	U	0.20
75-00-3	Chloroethane	64.52	0.50	U	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20
76-13-1	Freon TF	187.38	0.20	U	0.20
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20
67-64-1	Acetone	58.08	5.2		5.0
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0
75-15-0	Carbon disulfide	76.14	0.50	U	0.50
107-05-1	3-Chloropropene	76.53	0.50	U *	0.50
75-09-2	Methylene Chloride	84.93	0.50	U	0.50
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20
110-54-3	n-Hexane	86.17	0.20	U	0.20
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20
78-93-3	Methyl Ethyl Ketone	72.11	0.84		0.50
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40
67-66-3	Chloroform	119.38	0.75		0.20
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20
110-82-7	Cyclohexane	84.16	0.20	U	0.20
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20
71-43-2	Benzene	78.11	0.20	U	0.20
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-1 Lab Sample ID: 200-31641-1
 Matrix: Air Lab File ID: 17998_08.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:00
 Sample wt/vol: 200(mL) Date Analyzed: 01/26/2016 16:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.20	U	0.20
79-01-6	Trichloroethene	131.39	0.040	U	0.040
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50
108-88-3	Toluene	92.14	0.20	U	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20
100-41-4	Ethylbenzene	106.17	0.20	U	0.20
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50
95-47-6	Xylene, o-	106.17	0.20	U	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70
100-42-5	Styrene	104.15	0.20	U	0.20
75-25-2	Bromoform	252.75	0.20	U *	0.20
98-82-8	Cumene	120.19	0.20	U	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-1 Lab Sample ID: 200-31641-1
 Matrix: Air Lab File ID: 17998_08.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 16:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	0.20	U *	0.20	
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	
91-20-3	Naphthalene	128.17	0.50	U	0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-1 Lab Sample ID: 200-31641-1
 Matrix: Air Lab File ID: 17998_08.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:00
 Sample wt/vol: 200(mL) Date Analyzed: 01/26/2016 16:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12		12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U *	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	2.5		1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6
67-66-3	Chloroform	119.38	3.7		0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-1 Lab Sample ID: 200-31641-1
 Matrix: Air Lab File ID: 17998_08.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:00
 Sample wt/vol: 200(mL) Date Analyzed: 01/26/2016 16:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U *	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-1 Lab Sample ID: 200-31641-1
 Matrix: Air Lab File ID: 17998_08.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 16:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	1.0	U *	1.0	
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
91-20-3	Naphthalene	128.17	2.6	U	2.6	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D
 Lims ID: 200-31641-A-1 Lab Sample ID: 200-31641-1
 Client ID: SG-1
 Sample Type: Client
 Inject. Date: 26-Jan-2016 16:25:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-008
 Misc. Info.: 31641-01
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:58 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 27-Jan-2016 11:12:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	30372	0.4159	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	97	5432	0.1567	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.413				ND	
5 Chloromethane	50	3.541	3.547	-0.006	93	1567	0.0786	
6 Butane	43	3.728	3.734	-0.006	96	8854	0.2763	
7 Vinyl chloride	62		3.777				ND	
8 Butadiene	54		3.852				ND	
9 Bromomethane	94		4.499				ND	
10 Chloroethane	64		4.718				ND	
12 Vinyl bromide	106		5.087				ND	
13 Trichlorofluoromethane	101	5.173	5.178	-0.005	96	13065	0.1667	
18 1,1,2-Trichloro-1,2,2-trif	101	6.200	6.205	-0.005	33	3685	0.0601	
20 1,1-Dichloroethene	96		6.259				ND	
21 Acetone	43	6.542	6.516	0.026	96	162649	5.19	
22 Carbon disulfide	76	6.655	6.655	0.000	97	11256	0.1467	
23 Isopropyl alcohol	45	6.992	6.831	0.161	98	7846	0.2594	
24 3-Chloro-1-propene	41		7.029				ND	
26 Methylene Chloride	49	7.323	7.323	0.000	82	3853	0.1402	
28 2-Methyl-2-propanol	59	7.773	7.628	0.145	94	9314	0.1842	
29 Methyl tert-butyl ether	73		7.746				ND	
30 trans-1,2-Dichloroethene	61		7.751				ND	
32 Hexane	57	8.126	8.131	-0.005	52	1677	0.0420	
33 1,1-Dichloroethane	63		8.639				ND	
35 cis-1,2-Dichloroethene	96		9.779				ND	
36 2-Butanone (MEK)	72	9.934	9.843	0.091	97	14468	0.8355	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.260	10.266	-0.006	77	342025	10.0	
39 Tetrahydrofuran	42	10.421	10.282	0.139	39	1514	0.0522	
41 Chloroform	83	10.394	10.400	-0.006	95	55048	0.7494	
42 Cyclohexane	84		10.646				ND	
43 1,1,1-Trichloroethane	97		10.683				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	10.940	10.940	0.000	29	1446	0.0170	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.437	11.437	0.000	51	6845	0.0541	M
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43	11.913	11.807	0.106	32	2789	0.0499	M
* 50 1,4-Difluorobenzene	114	12.331	12.336	-0.005	92	1965435	10.0	
52 Trichloroethene	95		12.834				ND	
53 1,2-Dichloropropane	63		13.433				ND	
54 Methyl methacrylate	69		13.609				ND	
55 1,4-Dioxane	88		13.690				ND	
57 Dichlorobromomethane	83		14.016				ND	
58 cis-1,3-Dichloropropene	75		14.990				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.316				ND	
62 Toluene	92	15.599	15.605	-0.006	93	14991	0.1411	
67 trans-1,3-Dichloropropene	75		16.241				ND	
68 1,1,2-Trichloroethane	83		16.637				ND	
69 Tetrachloroethene	166		16.734				ND	
70 2-Hexanone	43	17.172	17.129	0.043	96	6754	0.0965	
71 Chlorodibromomethane	129		17.440				ND	
72 Ethylene Dibromide	107		17.729				ND	
* 73 Chlorobenzene-d5	117	18.665	18.670	-0.005	83	1890525	10.0	
74 Chlorobenzene	112		18.734				ND	
75 Ethylbenzene	91	18.884	18.890	-0.006	96	8362	0.0362	
77 m-Xylene & p-Xylene	106	19.152	19.157	-0.005	0	13047	0.1376	
S 80 Xylenes, Total	106				0		0.1851	
78 o-Xylene	106	20.050	20.050	0.000	95	4510	0.0474	
79 Styrene	104	20.104	20.109	-0.005	95	12444	0.0844	
81 Bromoform	173		20.575				ND	
82 Isopropylbenzene	105	20.783	20.783	0.000	95	48525	0.1799	
85 1,1,2,2-Tetrachloroethane	83		21.489				ND	
86 N-Propylbenzene	91		21.548				ND	
89 4-Ethyltoluene	105	21.746	21.746	0.000	98	5079	0.0202	
90 2-Chlorotoluene	91		21.757				ND	
91 1,3,5-Trimethylbenzene	105	21.859	21.859	0.000	92	3461	0.0161	
93 tert-Butylbenzene	119		22.367				ND	
94 1,2,4-Trimethylbenzene	105	22.468	22.468	0.000	94	11483	0.0539	
95 sec-Butylbenzene	105		22.709				ND	
96 4-Isopropyltoluene	119	22.912	22.918	-0.006	97	7683	0.0298	
97 1,3-Dichlorobenzene	146		22.955				ND	
98 1,4-Dichlorobenzene	146	23.089	23.094	-0.005	90	870	0.005438	
99 Benzyl chloride	91		23.303				ND	
101 n-Butylbenzene	91		23.512				ND	
102 1,2-Dichlorobenzene	146		23.651				ND	
104 1,2,4-Trichlorobenzene	180		26.251				ND	
105 Hexachlorobutadiene	225		26.438				ND	
106 Naphthalene	128		26.759				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D

Injection Date: 26-Jan-2016 16:25:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-31641-A-1

Lab Sample ID: 200-31641-1

Worklist Smp#: 8

Client ID: SG-1

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

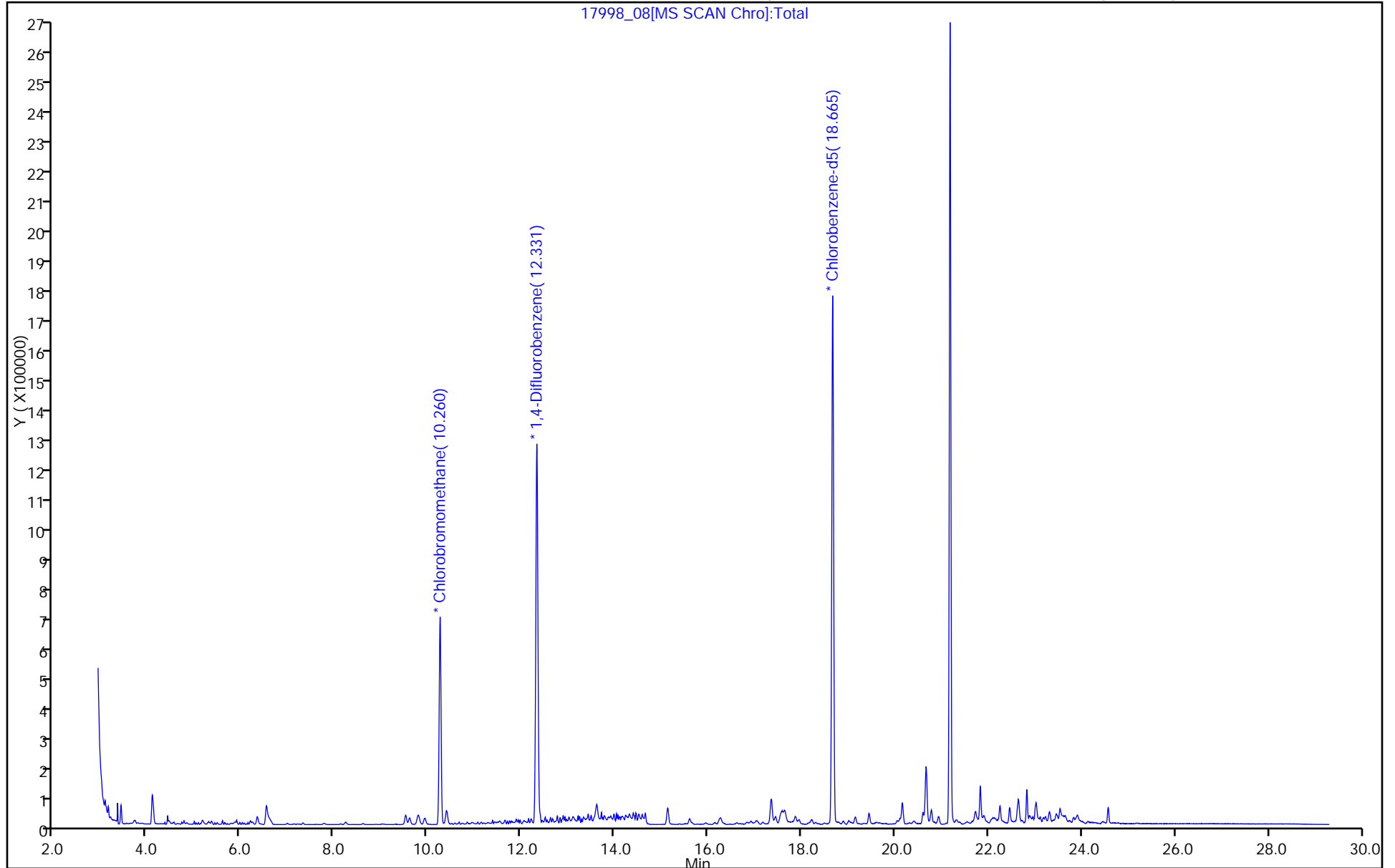
ALS Bottle#: 7

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D

Injection Date: 26-Jan-2016 16:25:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-1

Lab Sample ID: 200-31641-1

Client ID: SG-1

Operator ID: ggg

ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

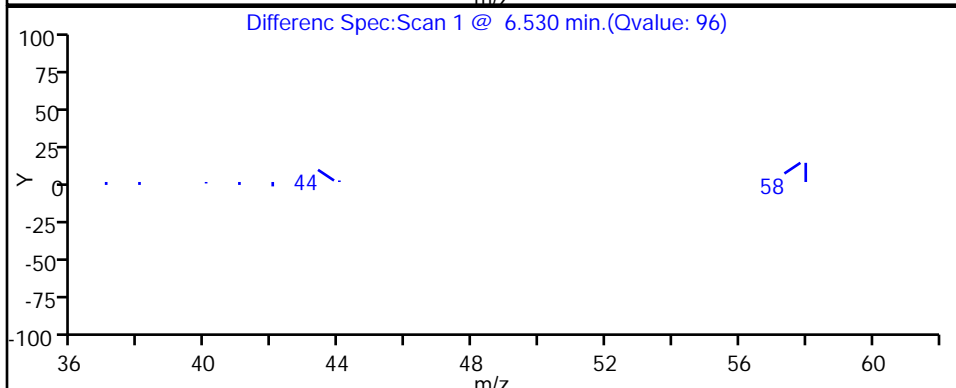
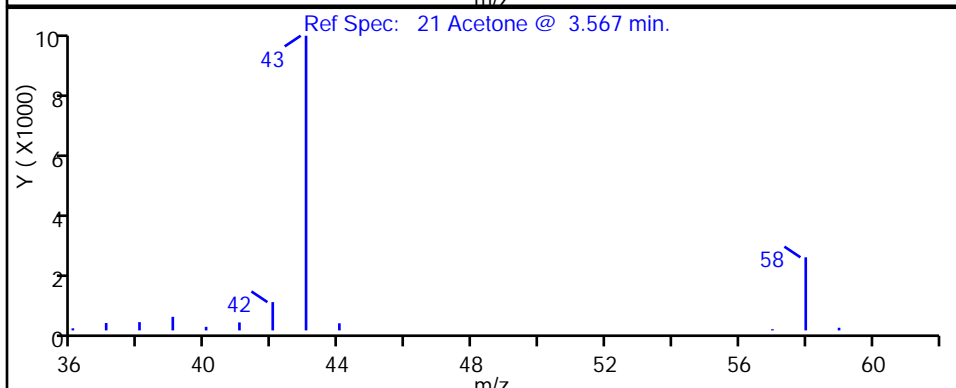
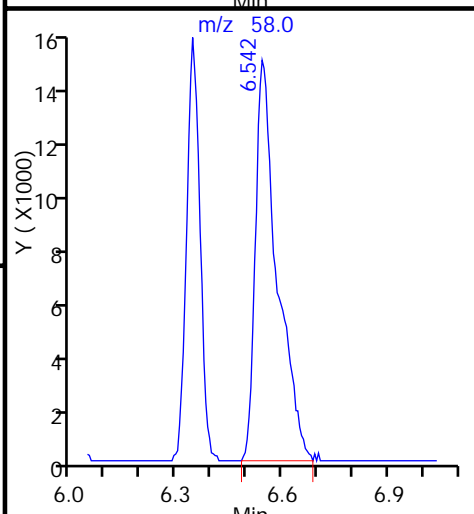
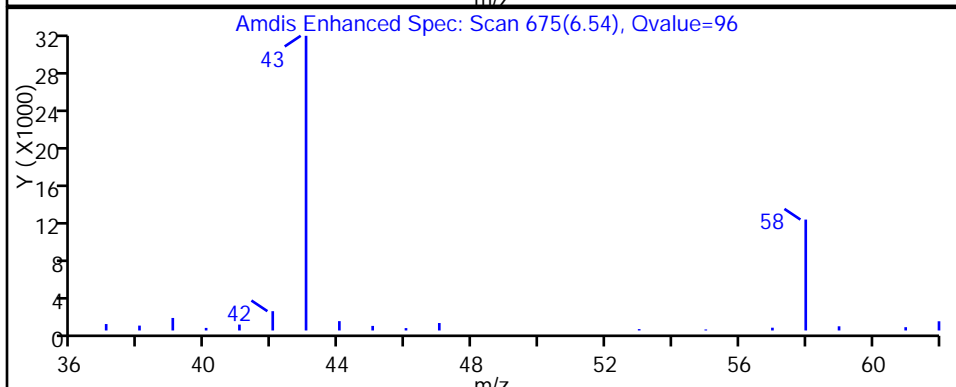
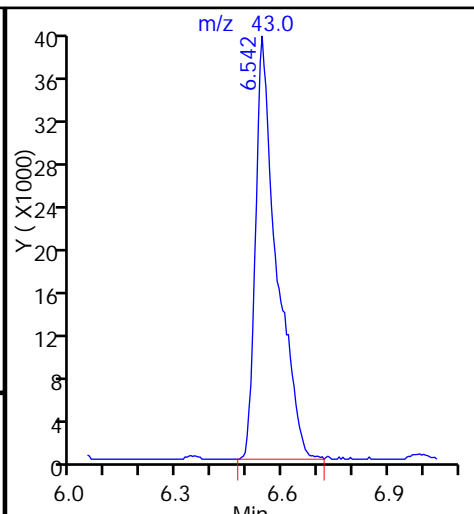
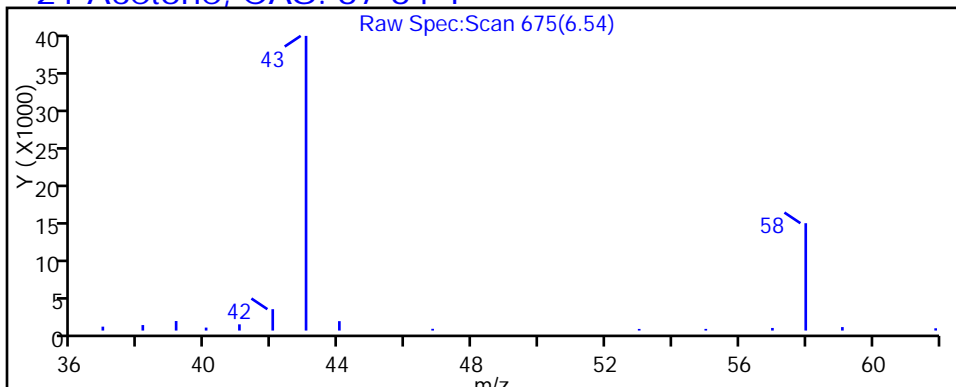
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 Acetone, CAS: 67-64-1



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D

Injection Date: 26-Jan-2016 16:25:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-1

Lab Sample ID: 200-31641-1

Client ID: SG-1

Operator ID: ggg

ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

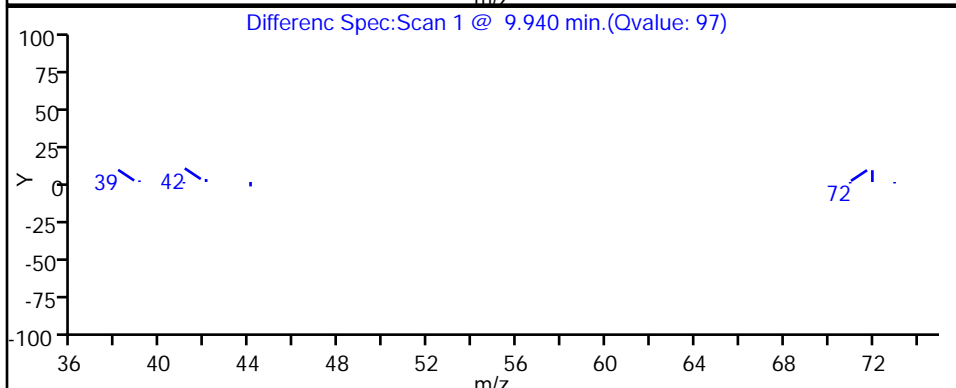
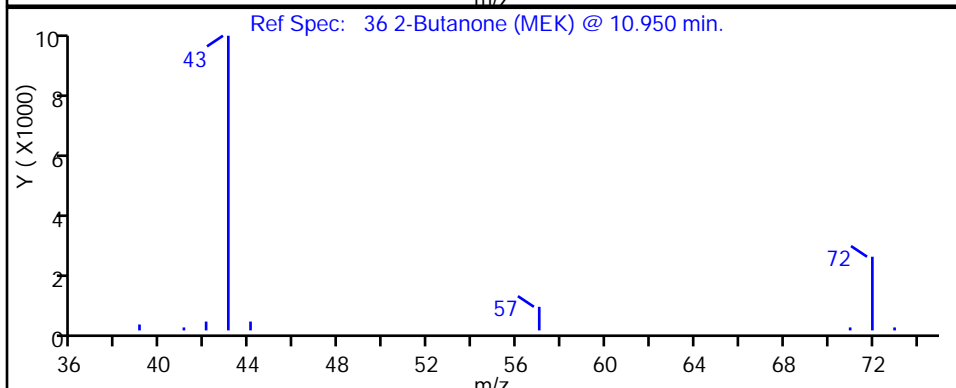
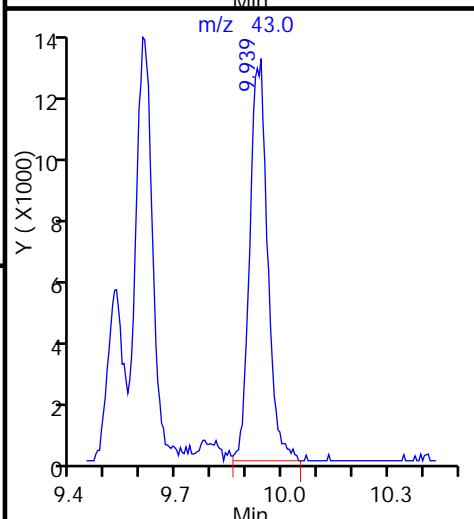
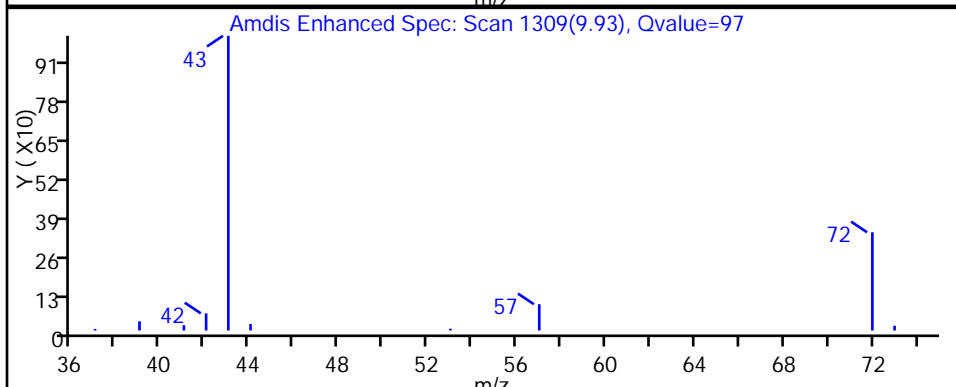
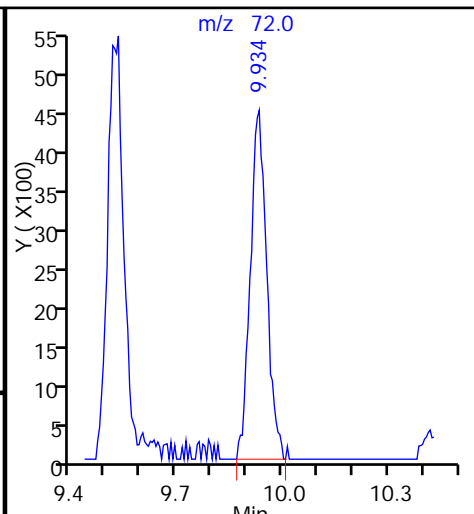
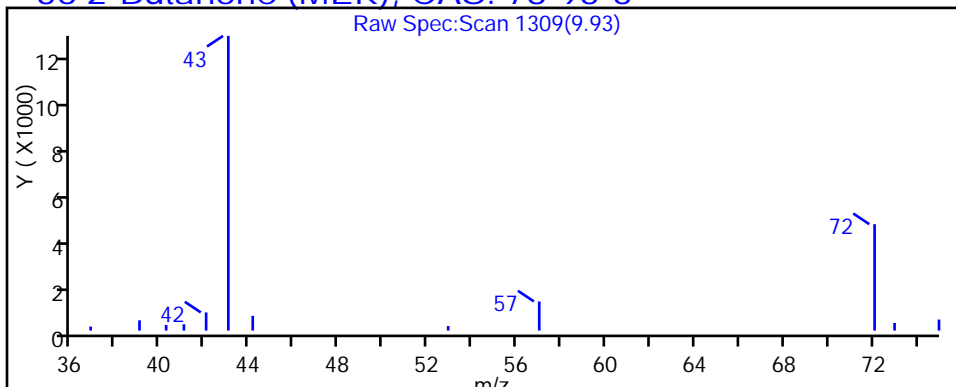
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

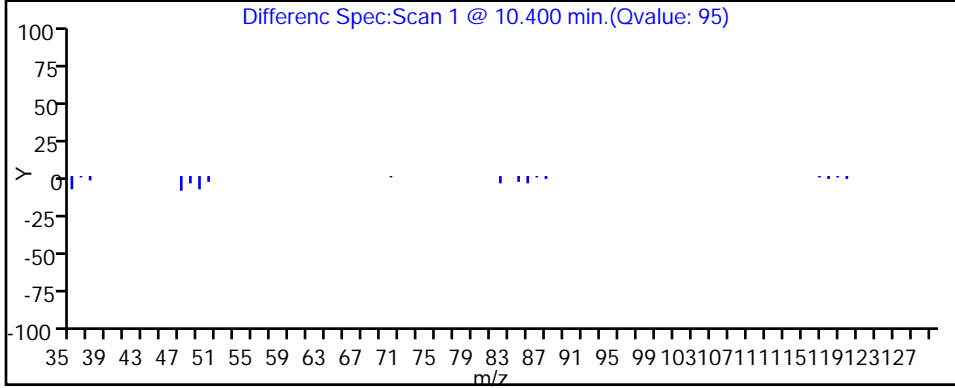
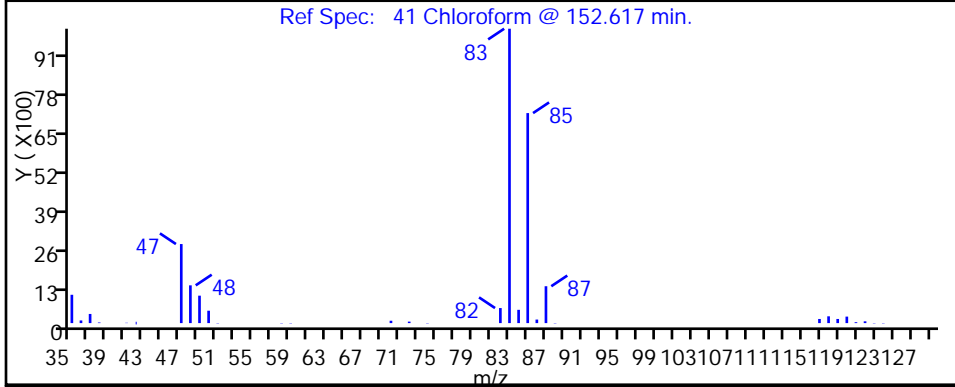
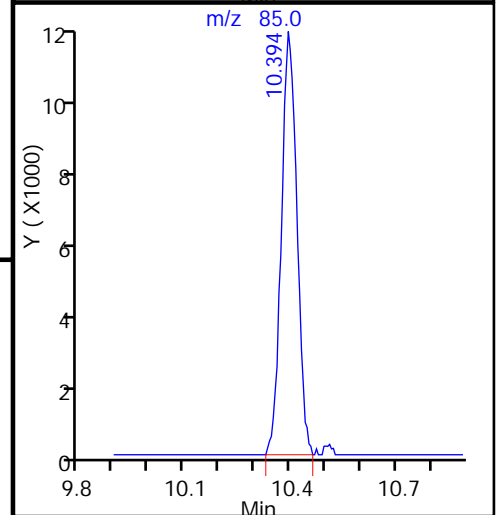
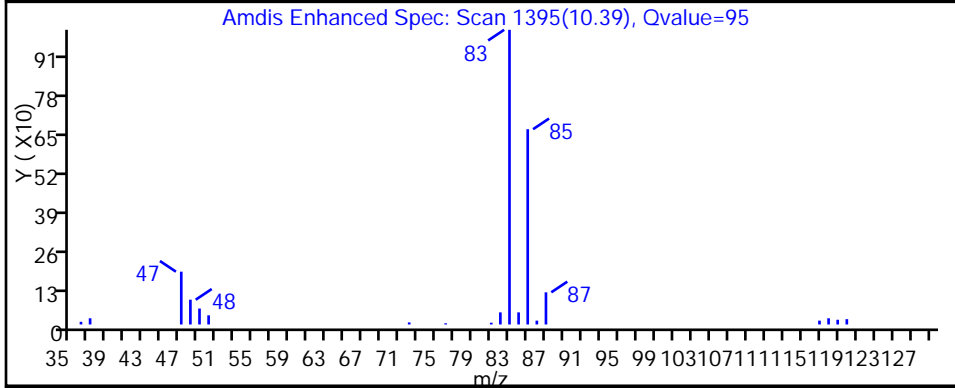
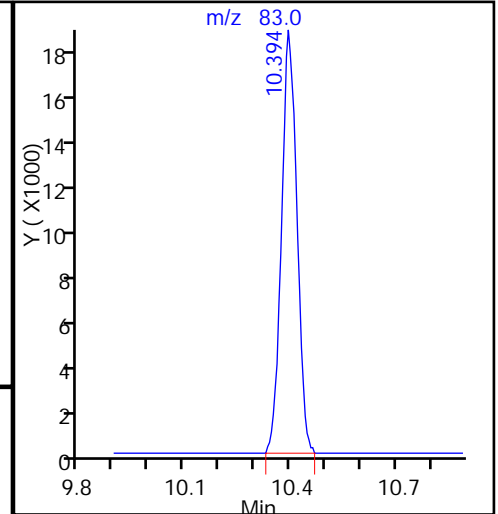
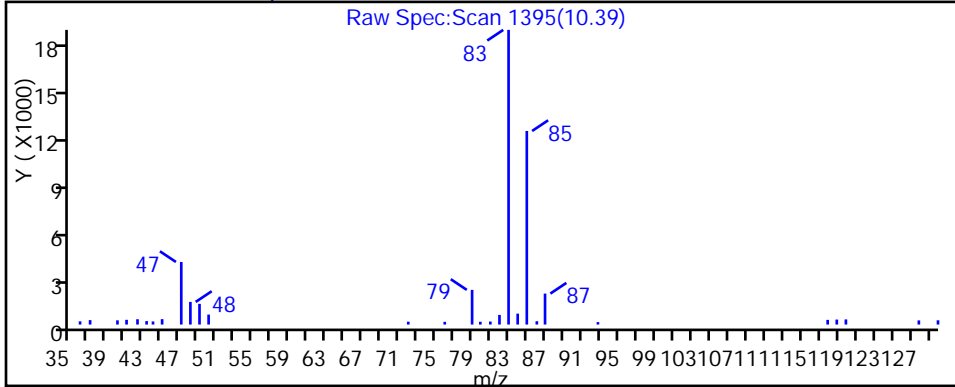
36 2-Butanone (MEK), CAS: 78-93-3



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D
Injection Date: 26-Jan-2016 16:25:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-1 Lab Sample ID: 200-31641-1
Client ID: SG-1
Operator ID: ggg ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

41 Chloroform, CAS: 67-66-3



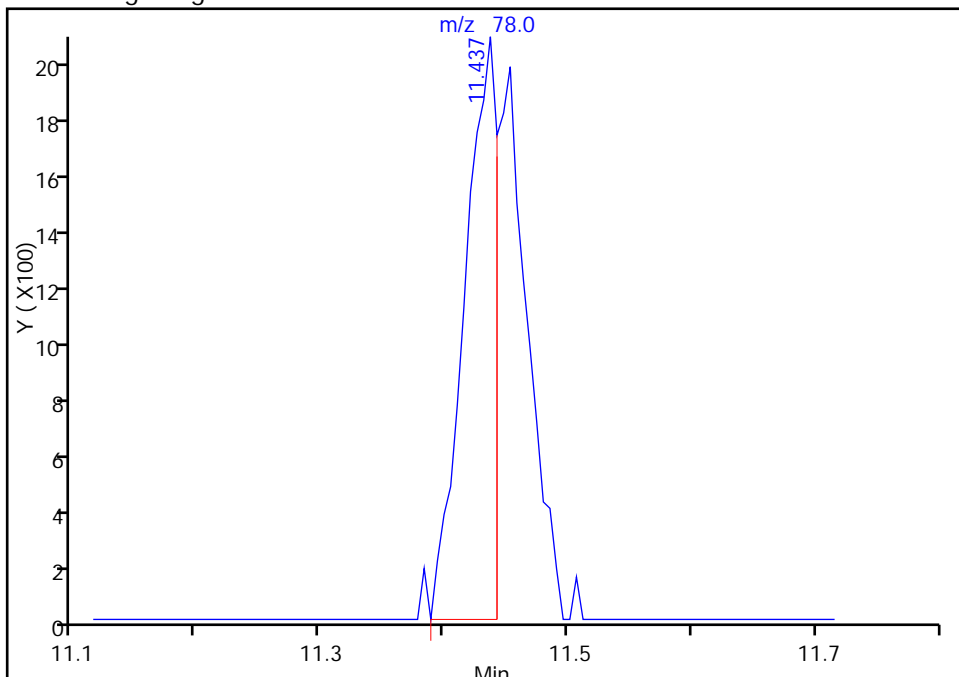
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D
Injection Date: 26-Jan-2016 16:25:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-1 Lab Sample ID: 200-31641-1
Client ID: SG-1
Operator ID: ggg ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Benzene, CAS: 71-43-2

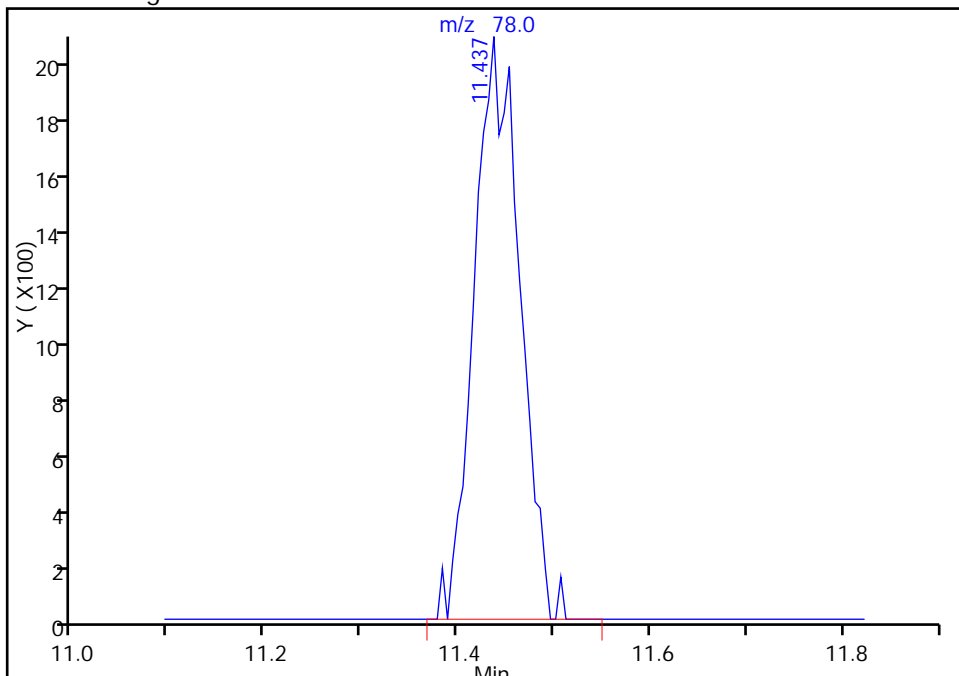
RT: 11.44
Area: 3805
Amount: 0.030075
Amount Units: ppb v/v

Processing Integration Results



RT: 11.44
Area: 6845
Amount: 0.054104
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 27-Jan-2016 11:12:08
Audit Action: Manually Integrated
Audit Reason: Baseline

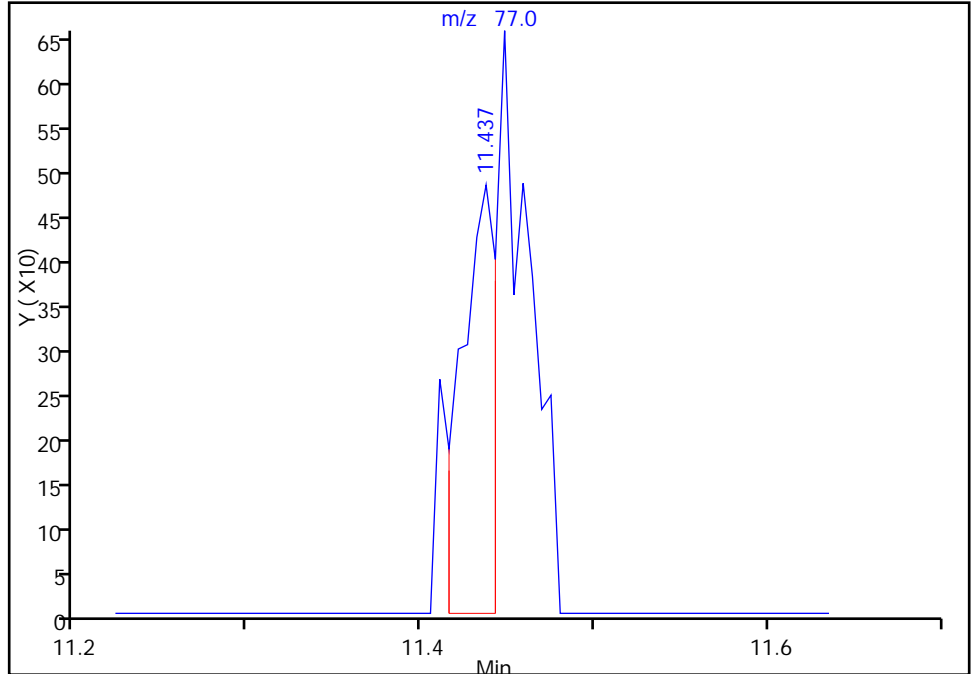
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D
Injection Date: 26-Jan-2016 16:25:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-1 Lab Sample ID: 200-31641-1
Client ID: SG-1
Operator ID: ggg ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Benzene, CAS: 71-43-2

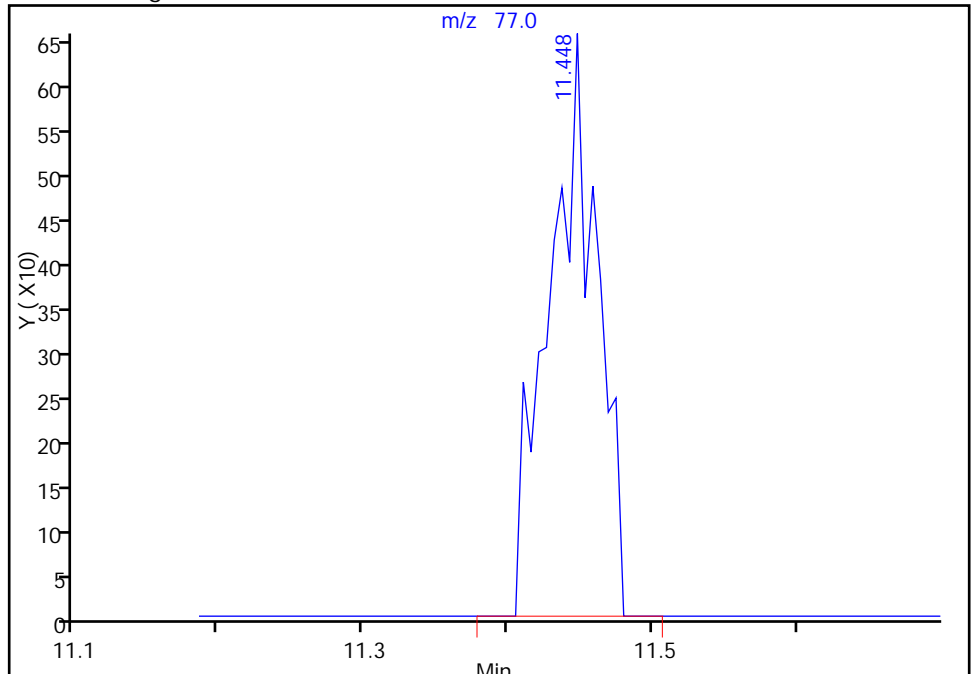
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Area: 672
Amount: 0.030075
Amount Units: ppb v/v

Processing Integration Results



RT: 11.45
Area: 1513
Amount: 0.054104
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 27-Jan-2016 11:12:08
Audit Action: Manually Integrated
Audit Reason: Baseline

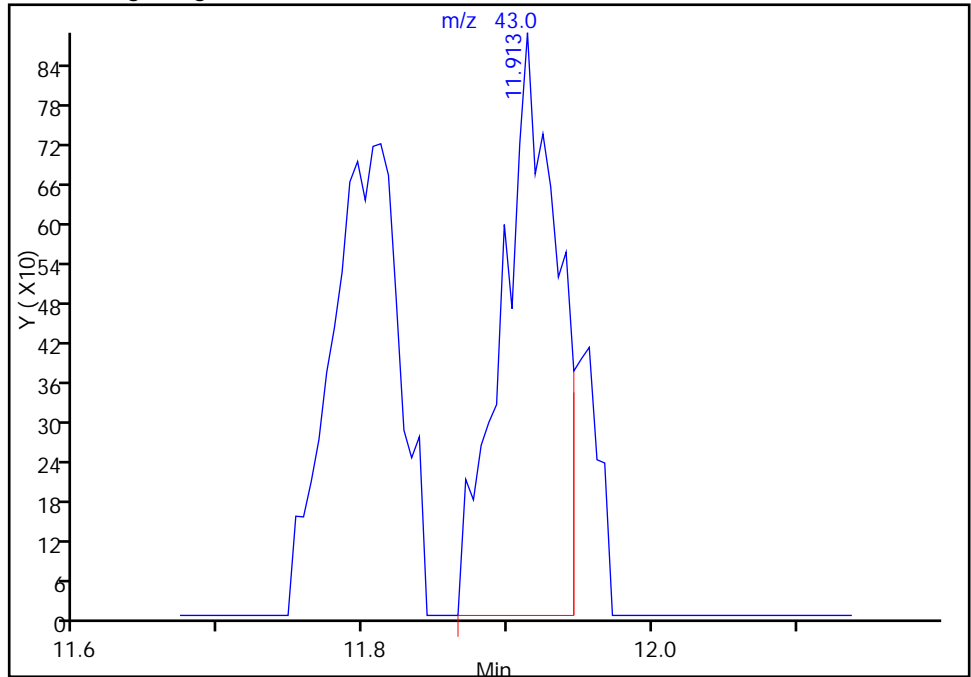
TestAmerica Burlington

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Injection Date: 26-Jan-2016 16:25:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-1 Lab Sample ID: 200-31641-1
Client ID: SG-1
Operator ID: ggg ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

48 n-Heptane, CAS: 142-82-5

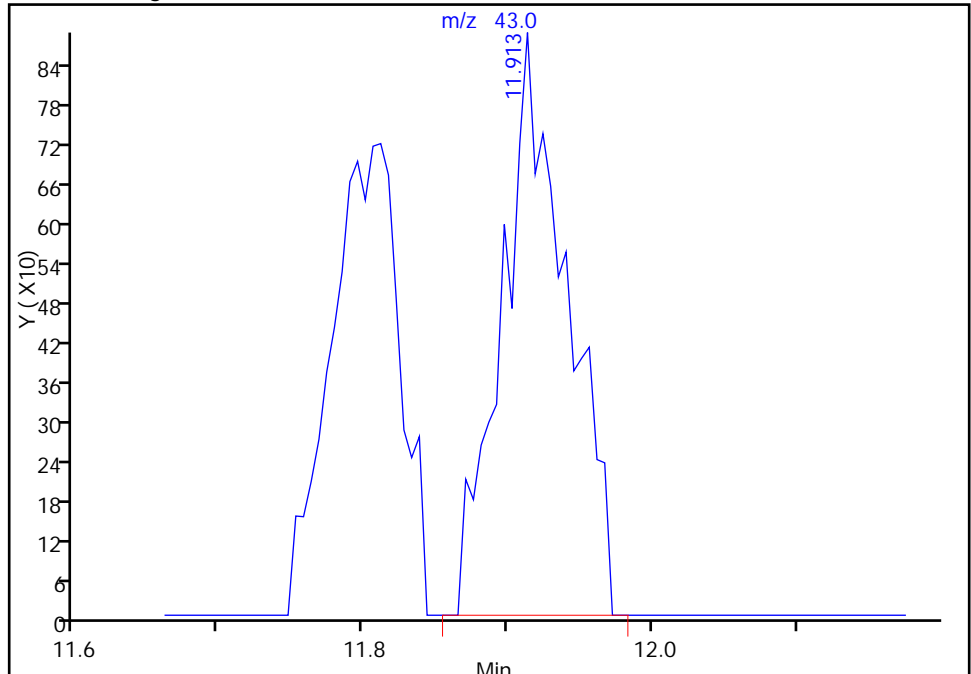
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Amount: 0.042642
Amount Units: ppb v/v

Processing Integration Results



RT: 11.91
Area: 2789
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Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 27-Jan-2016 11:12:08
Audit Action: Manually Integrated
Audit Reason: Baseline

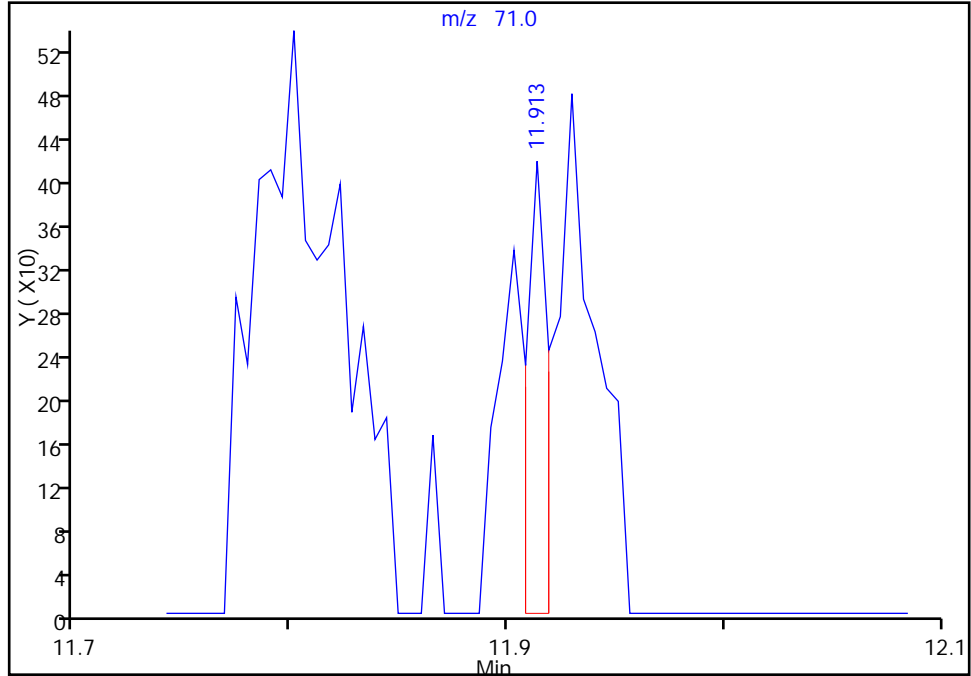
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_08.D
Injection Date: 26-Jan-2016 16:25:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-1 Lab Sample ID: 200-31641-1
Client ID: SG-1
Operator ID: ggg ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

48 n-Heptane, CAS: 142-82-5

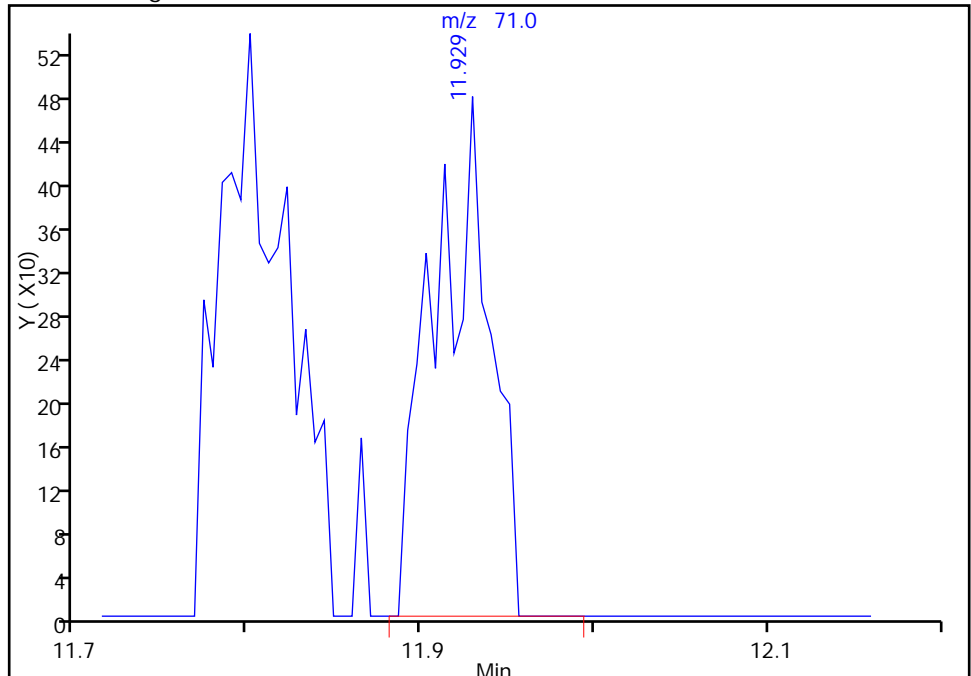
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Amount Units: ppb v/v

Processing Integration Results



RT: 11.93
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Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 27-Jan-2016 11:12:08
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-2 Lab Sample ID: 200-31641-2
 Matrix: Air Lab File ID: 17998_09.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:10
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 17:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	
75-45-6	Freon 22	86.47	0.50	U	0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	
74-87-3	Chloromethane	50.49	0.50	U	0.50	
106-97-8	n-Butane	58.12	0.50	U	0.50	
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	
74-83-9	Bromomethane	94.94	0.20	U	0.20	
75-00-3	Chloroethane	64.52	0.50	U	0.50	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	
76-13-1	Freon TF	187.38	0.20	U	0.20	
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	
67-64-1	Acetone	58.08	5.0	U	5.0	
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	
107-05-1	3-Chloropropene	76.53	0.50	U *	0.50	
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	
110-54-3	n-Hexane	86.17	0.20	U	0.20	
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	
67-66-3	Chloroform	119.38	0.20	U	0.20	
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	
110-82-7	Cyclohexane	84.16	0.20	U	0.20	
56-23-5	Carbon tetrachloride	153.81	0.059		0.040	
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	
71-43-2	Benzene	78.11	0.20	U	0.20	
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	

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 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.20	U	0.20
79-01-6	Trichloroethene	131.39	0.040	U	0.040
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50
108-88-3	Toluene	92.14	0.20	U	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20
100-41-4	Ethylbenzene	106.17	0.20	U	0.20
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50
95-47-6	Xylene, o-	106.17	0.20	U	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70
100-42-5	Styrene	104.15	0.20	U	0.20
75-25-2	Bromoform	252.75	0.20	U *	0.20
98-82-8	Cumene	120.19	0.20	U	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20
99-87-6	4-Isopropyltoluene	134.22	0.22	U	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20

FORM I
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 Analysis Method: TO-15 Date Collected: 01/18/2016 14:10
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 17:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	0.20	U *	0.20	
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	
91-20-3	Naphthalene	128.17	0.50	U	0.50	

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 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U *	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.37		0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

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Lab Name: TestAmerica Burlington Job No.: 200-31641-1
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 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U *	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.2	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

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Lab Name: TestAmerica Burlington Job No.: 200-31641-1
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 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	1.0	U *	1.0	
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
91-20-3	Naphthalene	128.17	2.6	U	2.6	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_09.D
 Lims ID: 200-31641-A-2 Lab Sample ID: 200-31641-2
 Client ID: SG-2
 Sample Type: Client
 Inject. Date: 26-Jan-2016 17:16:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-009
 Misc. Info.: 31641-02
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:58 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 27-Jan-2016 11:14:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	31838	0.4363	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	96	7012	0.2024	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.413				ND	
5 Chloromethane	50	3.541	3.547	-0.006	97	8918	0.4474	
6 Butane	43	3.729	3.734	-0.005	98	11345	0.3542	
7 Vinyl chloride	62		3.777				ND	
8 Butadiene	54		3.852				ND	
9 Bromomethane	94		4.499				ND	
10 Chloroethane	64		4.718				ND	
12 Vinyl bromide	106		5.087				ND	
13 Trichlorofluoromethane	101	5.168	5.178	-0.010	97	14267	0.1822	
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.205	0.000	79	4145	0.0676	
20 1,1-Dichloroethene	96		6.259				ND	
21 Acetone	43	6.601	6.516	0.085	96	67092	2.14	
22 Carbon disulfide	76	6.655	6.655	0.000	95	3649	0.0476	
23 Isopropyl alcohol	45	7.003	6.831	0.172	97	5017	0.1660	
24 3-Chloro-1-propene	41		7.029				ND	
26 Methylene Chloride	49	7.318	7.323	-0.005	81	5223	0.1902	
28 2-Methyl-2-propanol	59	7.784	7.628	0.156	89	3852	0.0762	
29 Methyl tert-butyl ether	73		7.746				ND	
30 trans-1,2-Dichloroethene	61		7.751				ND	
32 Hexane	57	8.131	8.131	0.000	88	2311	0.0579	
33 1,1-Dichloroethane	63		8.639				ND	
35 cis-1,2-Dichloroethene	96		9.779				ND	
36 2-Butanone (MEK)	72	9.956	9.843	0.113	97	4437	0.2564	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.261	10.266	-0.005	78	341785	10.0	
39 Tetrahydrofuran	42		10.282				ND	
41 Chloroform	83	10.400	10.400	0.000	76	1847	0.0252	
42 Cyclohexane	84		10.646				ND	
43 1,1,1-Trichloroethane	97		10.683				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	10.945	10.940	0.005	57	5070	0.0593	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.443	11.437	0.006	58	12982	0.1023	M
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.807				ND	
* 50 1,4-Difluorobenzene	114	12.331	12.336	-0.005	92	1971379	10.0	
52 Trichloroethene	95		12.834				ND	
53 1,2-Dichloropropane	63		13.433				ND	
54 Methyl methacrylate	69		13.609				ND	
55 1,4-Dioxane	88		13.690				ND	
57 Dichlorobromomethane	83		14.016				ND	
58 cis-1,3-Dichloropropene	75		14.990				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.316				ND	
62 Toluene	92	15.600	15.605	-0.005	92	14762	0.1383	
67 trans-1,3-Dichloropropene	75		16.241				ND	
68 1,1,2-Trichloroethane	83		16.637				ND	
69 Tetrachloroethene	166		16.734				ND	
70 2-Hexanone	43		17.129				ND	
71 Chlorodibromomethane	129		17.440				ND	
72 Ethylene Dibromide	107		17.729				ND	
* 73 Chlorobenzene-d5	117	18.665	18.670	-0.005	83	1899129	10.0	
74 Chlorobenzene	112		18.734				ND	
75 Ethylbenzene	91	18.879	18.890	-0.011	96	8541	0.0368	
77 m-Xylene & p-Xylene	106	19.146	19.157	-0.011	0	10147	0.1065	
S 80 Xylenes, Total	106				0		0.1065	
78 o-Xylene	106		20.050				ND	
79 Styrene	104	20.109	20.109	0.000	90	7870	0.0531	
81 Bromoform	173		20.575				ND	
82 Isopropylbenzene	105	20.778	20.783	-0.005	96	21347	0.0788	
85 1,1,2,2-Tetrachloroethane	83		21.489				ND	
86 N-Propylbenzene	91		21.548				ND	
89 4-Ethyltoluene	105		21.746				ND	
90 2-Chlorotoluene	91		21.757				ND	
91 1,3,5-Trimethylbenzene	105		21.859				ND	
93 tert-Butylbenzene	119		22.367				ND	
94 1,2,4-Trimethylbenzene	105	22.469	22.468	0.001	95	8225	0.0384	
95 sec-Butylbenzene	105		22.709				ND	
96 4-Isopropyltoluene	119	22.918	22.918	0.000	97	57909	0.2238	
97 1,3-Dichlorobenzene	146		22.955				ND	
98 1,4-Dichlorobenzene	146	23.100	23.094	0.006	61	843	0.005245	
99 Benzyl chloride	91		23.303				ND	
101 n-Butylbenzene	91		23.512				ND	
102 1,2-Dichlorobenzene	146		23.651				ND	
104 1,2,4-Trichlorobenzene	180		26.251				ND	
105 Hexachlorobutadiene	225		26.438				ND	
106 Naphthalene	128		26.759				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_09.D

Injection Date: 26-Jan-2016 17:16:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-31641-A-2

Lab Sample ID: 200-31641-2

Worklist Smp#: 9

Client ID: SG-2

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

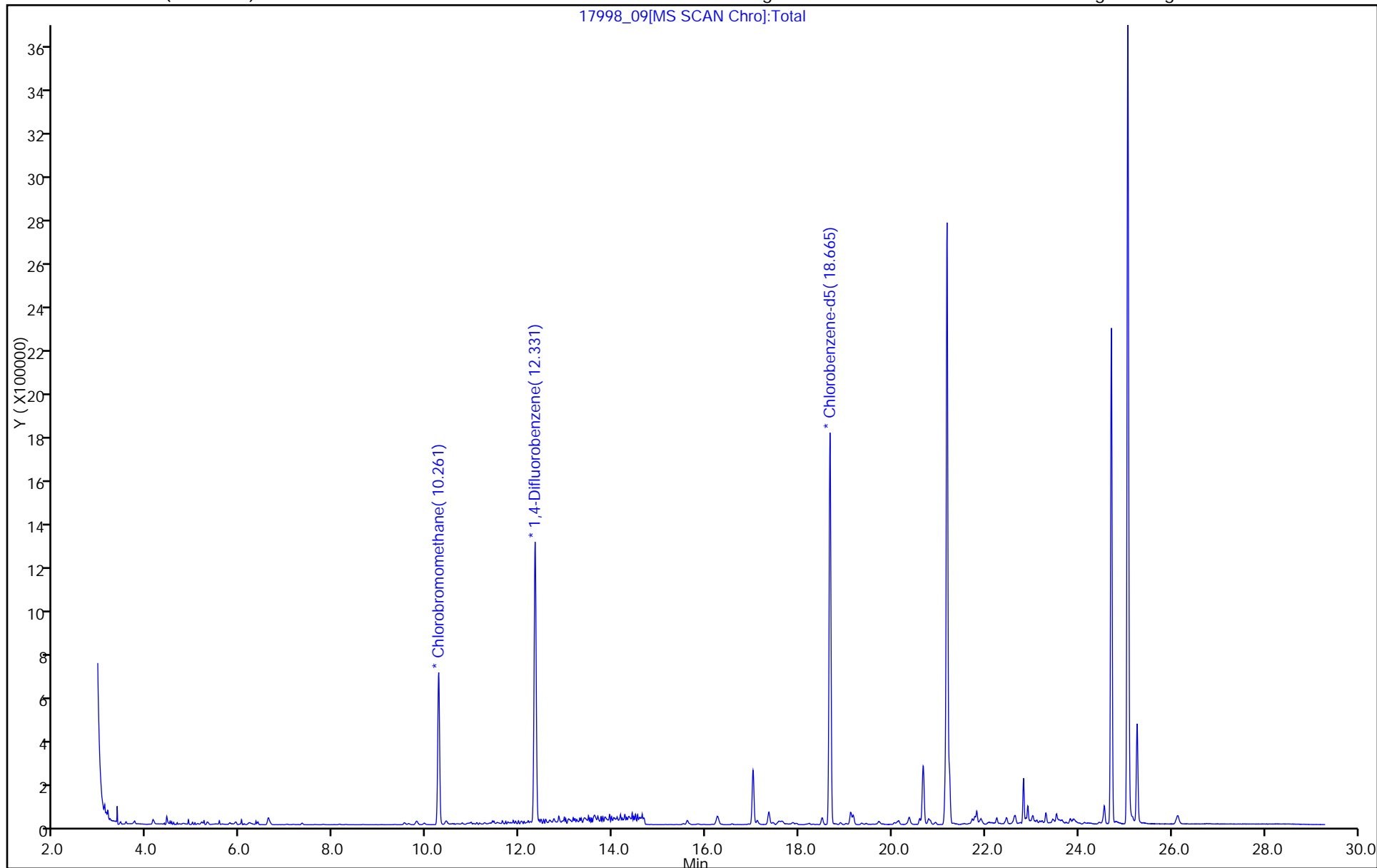
ALS Bottle#: 8

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_09.D

Injection Date: 26-Jan-2016 17:16:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-2

Lab Sample ID: 200-31641-2

Client ID: SG-2

Operator ID: ggg

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

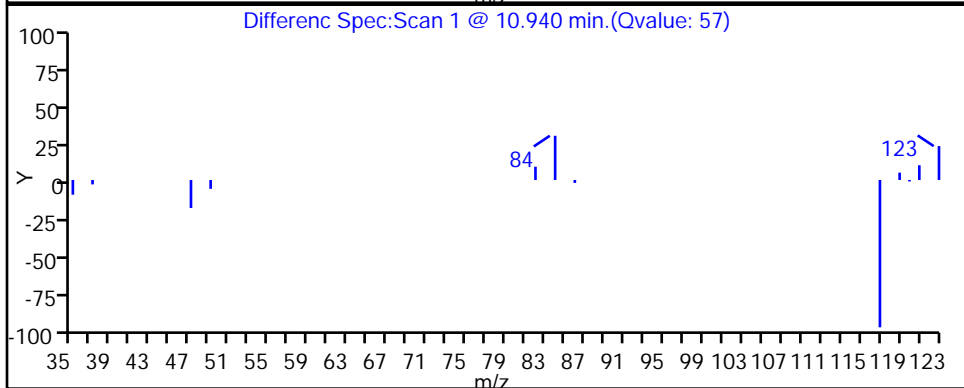
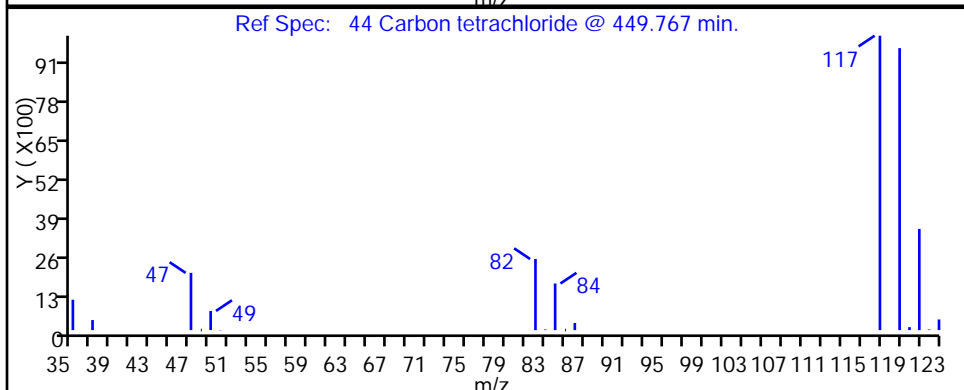
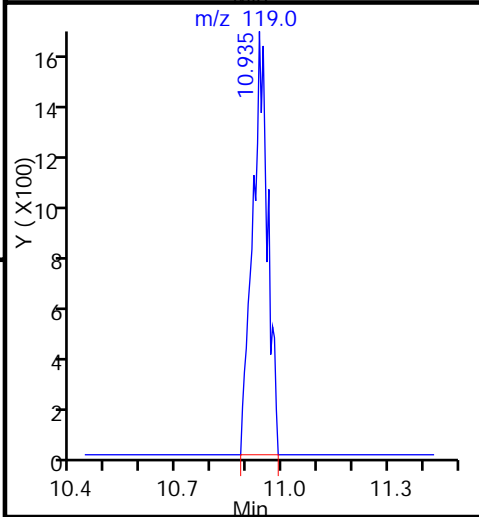
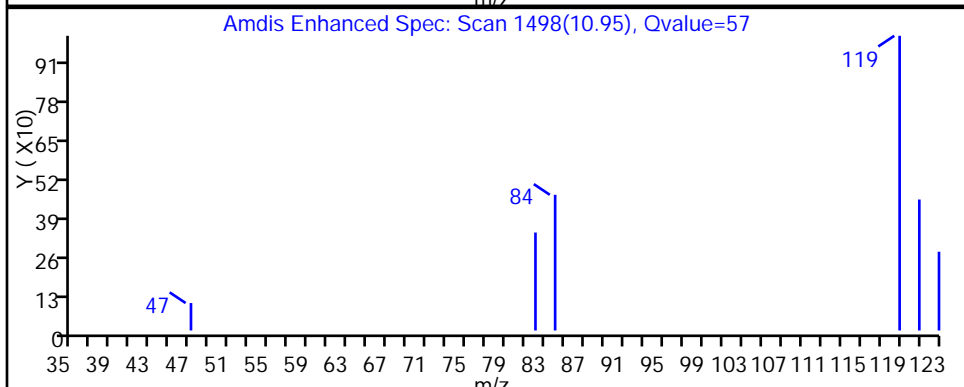
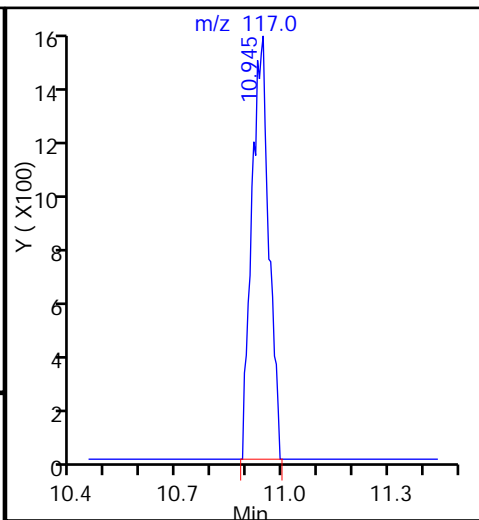
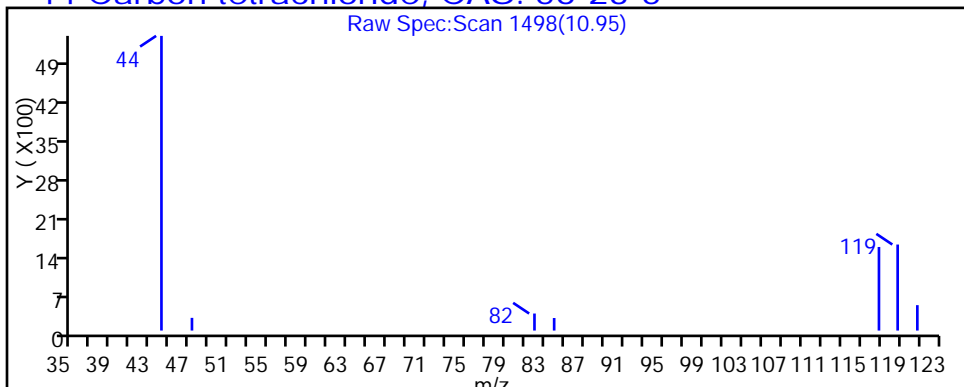
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_09.D

Injection Date: 26-Jan-2016 17:16:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-2

Lab Sample ID: 200-31641-2

Client ID: SG-2

Operator ID: ggg

ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

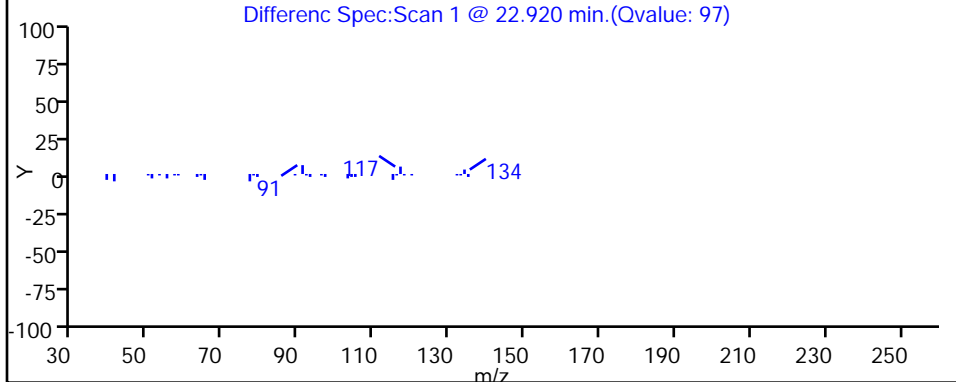
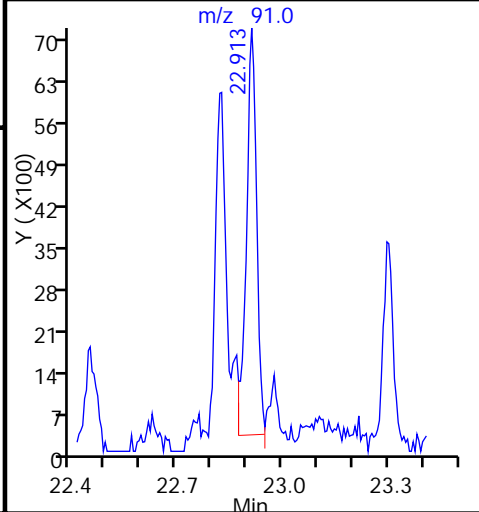
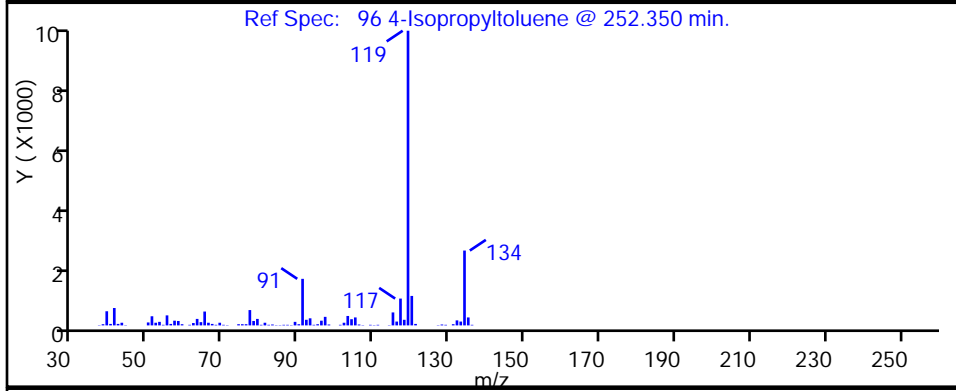
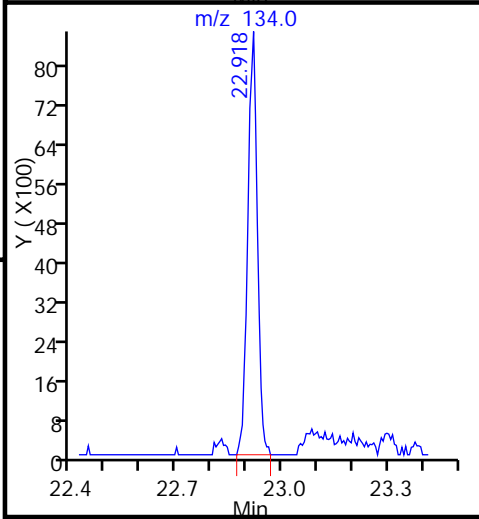
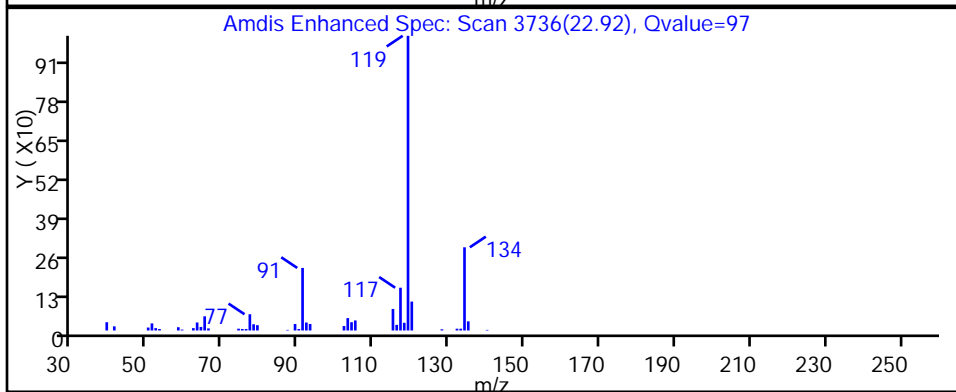
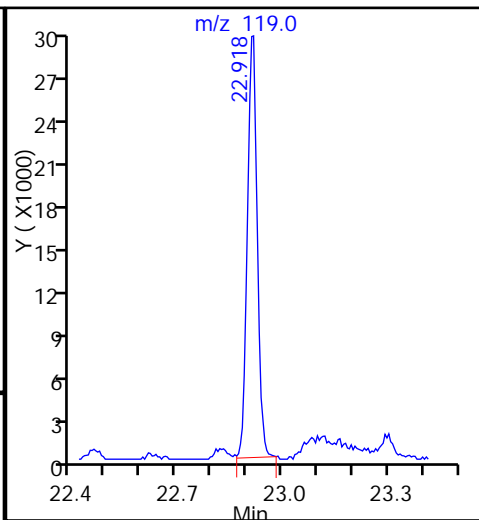
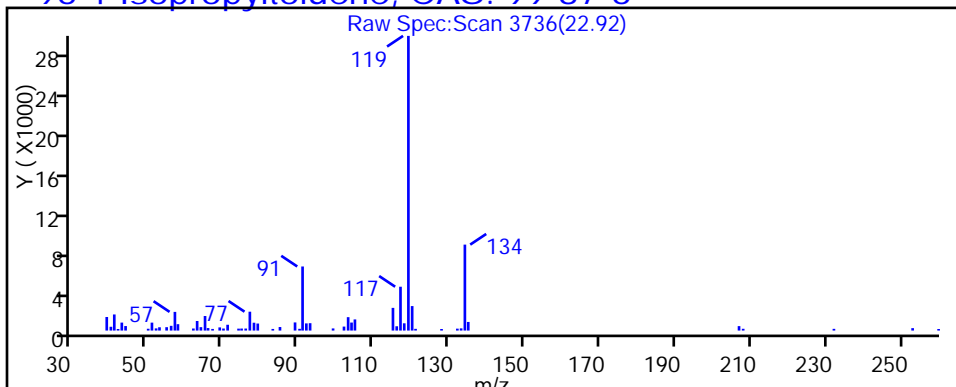
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 4-Isopropyltoluene, CAS: 99-87-6



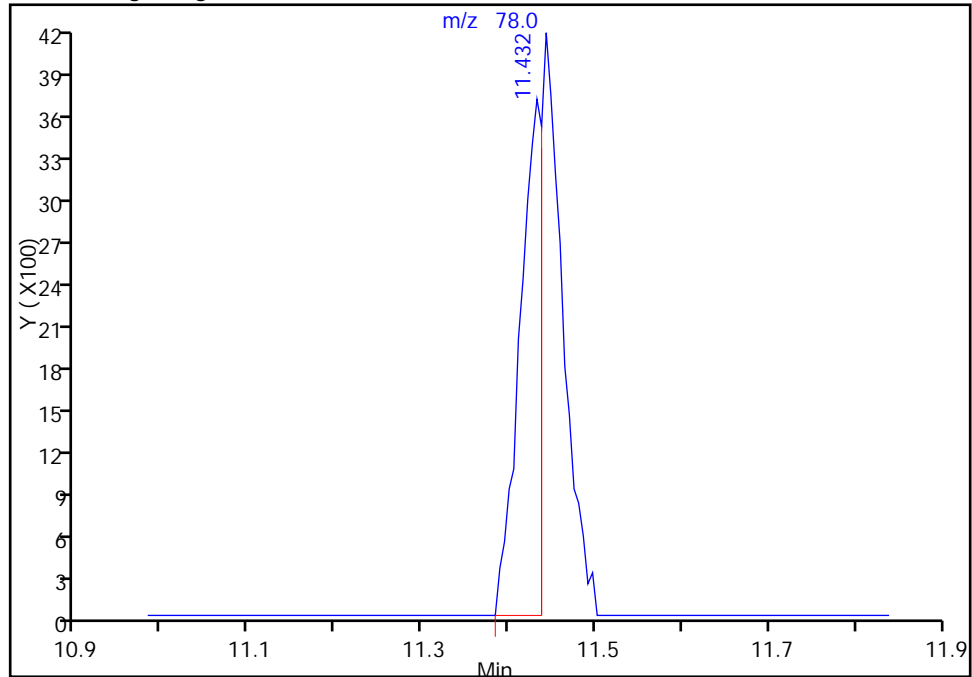
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_09.D
Injection Date: 26-Jan-2016 17:16:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-2 Lab Sample ID: 200-31641-2
Client ID: SG-2
Operator ID: ggg ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Benzene, CAS: 71-43-2

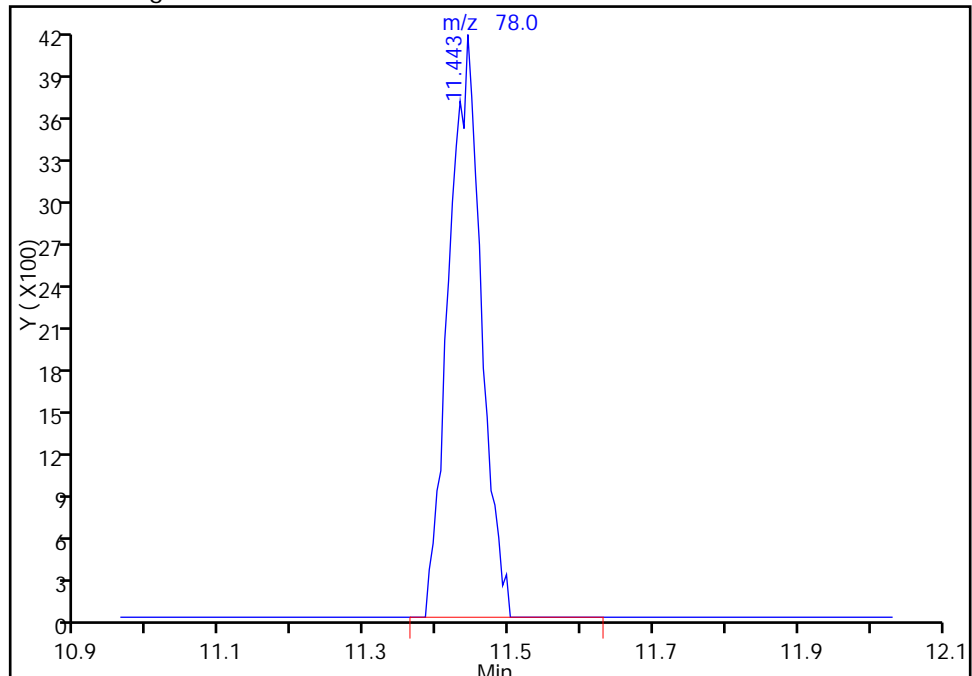
RT: 11.43
Area: 6653
Amount: 0.052428
Amount Units: ppb v/v

Processing Integration Results



RT: 11.44
Area: 12982
Amount: 0.102302
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 27-Jan-2016 11:14:37
Audit Action: Manually Integrated
Audit Reason: Baseline

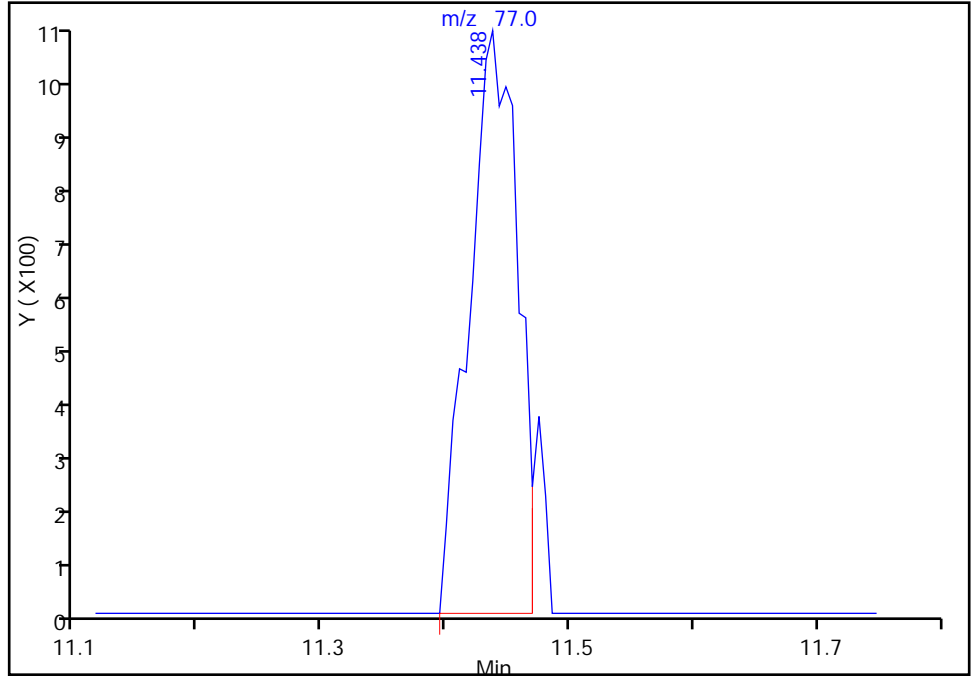
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_09.D
Injection Date: 26-Jan-2016 17:16:30 Instrument ID: CHX.i
Lims ID: 200-31641-A-2 Lab Sample ID: 200-31641-2
Client ID: SG-2
Operator ID: ggg ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Benzene, CAS: 71-43-2

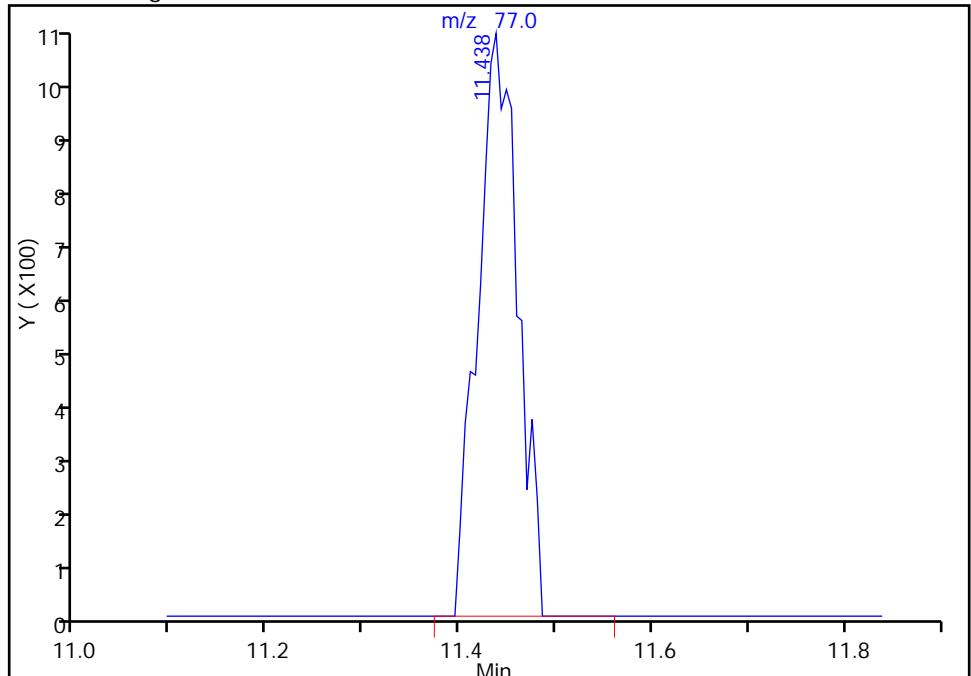
RT: 11.44
Area: 2800
Amount: 0.052428
Amount Units: ppb v/v

Processing Integration Results



RT: 11.44
Area: 2977
Amount: 0.102302
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 27-Jan-2016 11:14:37
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-3 Lab Sample ID: 200-31641-3
 Matrix: Air Lab File ID: 17998_10.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 18:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50
75-45-6	Freon 22	86.47	0.50	U	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20
74-87-3	Chloromethane	50.49	0.50	U	0.50
106-97-8	n-Butane	58.12	0.50	U	0.50
75-01-4	Vinyl chloride	62.50	0.040	U	0.040
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20
74-83-9	Bromomethane	94.94	0.20	U	0.20
75-00-3	Chloroethane	64.52	0.50	U	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20
76-13-1	Freon TF	187.38	0.20	U	0.20
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20
67-64-1	Acetone	58.08	5.0	U	5.0
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0
75-15-0	Carbon disulfide	76.14	0.50	U	0.50
107-05-1	3-Chloropropene	76.53	0.50	U *	0.50
75-09-2	Methylene Chloride	84.93	0.50	U	0.50
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20
110-54-3	n-Hexane	86.17	0.20	U	0.20
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40
67-66-3	Chloroform	119.38	0.20	U	0.20
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20
110-82-7	Cyclohexane	84.16	0.20	U	0.20
56-23-5	Carbon tetrachloride	153.81	0.064		0.040
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20
71-43-2	Benzene	78.11	0.20	U	0.20
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-3 Lab Sample ID: 200-31641-3
 Matrix: Air Lab File ID: 17998_10.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:45
 Sample wt/vol: 200(mL) Date Analyzed: 01/26/2016 18:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.20	U	0.20
79-01-6	Trichloroethene	131.39	0.040	U	0.040
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50
108-88-3	Toluene	92.14	0.24		0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20
100-41-4	Ethylbenzene	106.17	0.20	U	0.20
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50
95-47-6	Xylene, o-	106.17	0.20	U	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70
100-42-5	Styrene	104.15	0.20	U	0.20
75-25-2	Bromoform	252.75	0.20	U *	0.20
98-82-8	Cumene	120.19	0.25		0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-3 Lab Sample ID: 200-31641-3
 Matrix: Air Lab File ID: 17998_10.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 18:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	0.20	U *	0.20	
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	
91-20-3	Naphthalene	128.17	0.50	U	0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-3 Lab Sample ID: 200-31641-3
 Matrix: Air Lab File ID: 17998_10.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 18:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U *	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.40	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-3 Lab Sample ID: 200-31641-3
 Matrix: Air Lab File ID: 17998_10.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:45
 Sample wt/vol: 200(mL) Date Analyzed: 01/26/2016 18:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.90		0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U *	2.1
98-82-8	Cumene	120.19	1.2		0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: SG-3 Lab Sample ID: 200-31641-3
 Matrix: Air Lab File ID: 17998_10.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 18:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	1.0	U *	1.0	
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
91-20-3	Naphthalene	128.17	2.6	U	2.6	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_10.D
 Lims ID: 200-31641-A-3 Lab Sample ID: 200-31641-3
 Client ID: SG-3
 Sample Type: Client
 Inject. Date: 26-Jan-2016 18:06:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-010
 Misc. Info.: 31641-03
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:58 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 27-Jan-2016 11:17:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.151	3.156	-0.005	99	31837	0.4412	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	97	7290	0.2128	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.413				ND	
5 Chloromethane	50	3.541	3.547	-0.006	98	8928	0.4529	
6 Butane	43	3.723	3.734	-0.011	98	12972	0.4096	
7 Vinyl chloride	62		3.777				ND	
8 Butadiene	54		3.852				ND	
9 Bromomethane	94		4.499				ND	
10 Chloroethane	64		4.718				ND	
12 Vinyl bromide	106		5.087				ND	
13 Trichlorofluoromethane	101	5.168	5.178	-0.010	97	14145	0.1826	
18 1,1,2-Trichloro-1,2,2-trif	101	6.206	6.205	0.001	90	4016	0.0663	
20 1,1-Dichloroethene	96		6.259				ND	
21 Acetone	43	6.537	6.516	0.021	96	118742	3.84	
22 Carbon disulfide	76	6.644	6.655	-0.011	80	5249	0.0692	
23 Isopropyl alcohol	45	6.928	6.831	0.097	98	6820	0.2282	
24 3-Chloro-1-propene	41		7.029				ND	
26 Methylene Chloride	49	7.324	7.323	0.001	83	6877	0.2532	
28 2-Methyl-2-propanol	59	7.693	7.628	0.065	92	13518	0.2705	
29 Methyl tert-butyl ether	73		7.746				ND	
30 trans-1,2-Dichloroethene	61		7.751				ND	
32 Hexane	57	8.126	8.131	-0.005	88	2544	0.0645	
33 1,1-Dichloroethane	63		8.639				ND	
35 cis-1,2-Dichloroethene	96		9.779				ND	
36 2-Butanone (MEK)	72	9.913	9.843	0.070	96	7505	0.4386	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.255	10.266	-0.011	78	337998	10.0	
39 Tetrahydrofuran	42		10.282				ND	
41 Chloroform	83		10.400				ND	
42 Cyclohexane	84		10.646				ND	
43 1,1,1-Trichloroethane	97		10.683				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	10.929	10.940	-0.011	94	5345	0.0636	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.432	11.437	-0.005	94	14202	0.1138	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43	11.796	11.807	-0.011	41	2583	0.0469	
* 50 1,4-Difluorobenzene	114	12.326	12.336	-0.010	92	1939551	10.0	
52 Trichloroethene	95		12.834				ND	
53 1,2-Dichloropropane	63		13.433				ND	
54 Methyl methacrylate	69		13.609				ND	
55 1,4-Dioxane	88		13.690				ND	
57 Dichlorobromomethane	83		14.016				ND	
58 cis-1,3-Dichloropropene	75		14.990				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.316				ND	
62 Toluene	92	15.594	15.605	-0.011	92	24662	0.2382	
67 trans-1,3-Dichloropropene	75		16.241				ND	
68 1,1,2-Trichloroethane	83		16.637				ND	
69 Tetrachloroethene	166		16.734				ND	
70 2-Hexanone	43		17.129				ND	
71 Chlorodibromomethane	129		17.440				ND	
72 Ethylene Dibromide	107		17.729				ND	
* 73 Chlorobenzene-d5	117	18.665	18.670	-0.005	83	1841672	10.0	
74 Chlorobenzene	112		18.734				ND	
75 Ethylbenzene	91	18.884	18.890	-0.006	97	13796	0.0613	
77 m-Xylene & p-Xylene	106	19.152	19.157	-0.005	0	19979	0.2163	
S 80 Xylenes, Total	106				0		0.2942	
78 o-Xylene	106	20.051	20.050	0.001	97	7211	0.0779	
79 Styrene	104	20.109	20.109	0.000	93	21562	0.1501	
81 Bromoform	173		20.575				ND	
82 Isopropylbenzene	105	20.778	20.783	-0.005	95	65461	0.2492	
85 1,1,2,2-Tetrachloroethane	83		21.489				ND	
86 N-Propylbenzene	91	21.543	21.548	-0.005	97	7328	0.0240	
89 4-Ethyltoluene	105	21.741	21.746	-0.005	98	8356	0.0341	
90 2-Chlorotoluene	91		21.757				ND	
91 1,3,5-Trimethylbenzene	105	21.859	21.859	0.000	93	5422	0.0259	
93 tert-Butylbenzene	119		22.367				ND	
94 1,2,4-Trimethylbenzene	105	22.469	22.468	0.001	95	21891	0.1055	
95 sec-Butylbenzene	105		22.709				ND	
96 4-Isopropyltoluene	119	22.913	22.918	-0.005	98	12847	0.0512	
97 1,3-Dichlorobenzene	146		22.955				ND	
98 1,4-Dichlorobenzene	146	23.095	23.094	0.001	67	847	0.005434	
99 Benzyl chloride	91		23.303				ND	
101 n-Butylbenzene	91	23.501	23.512	-0.011	86	5409	0.0238	
102 1,2-Dichlorobenzene	146		23.651				ND	
104 1,2,4-Trichlorobenzene	180		26.251				ND	
105 Hexachlorobutadiene	225		26.438				ND	
106 Naphthalene	128	26.759	26.759	0.000	98	4645	0.0194	

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_10.D

Injection Date: 26-Jan-2016 18:06:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-31641-A-3

Lab Sample ID: 200-31641-3

Worklist Smp#: 10

Client ID: SG-3

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

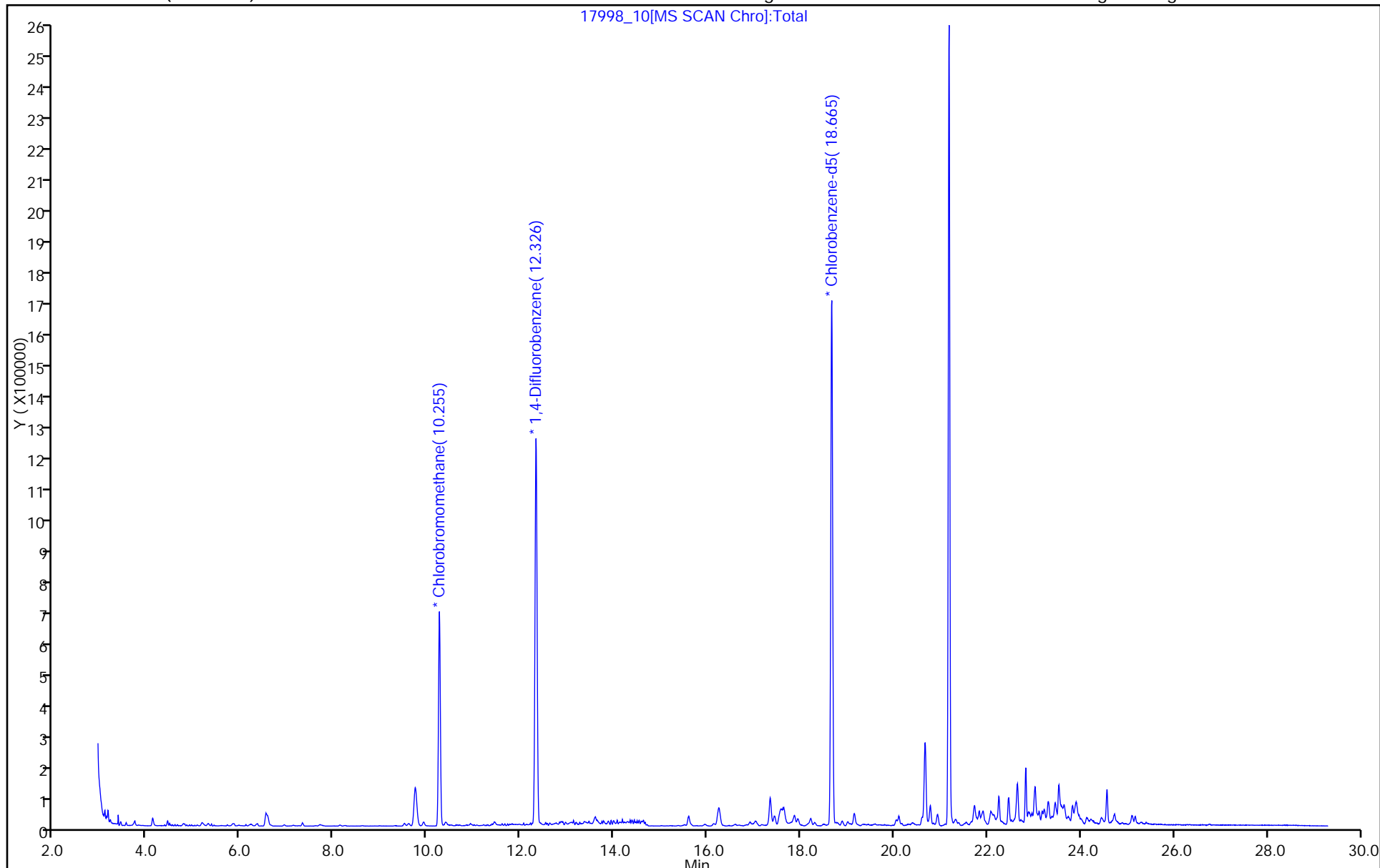
ALS Bottle#: 9

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_10.D

Injection Date: 26-Jan-2016 18:06:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-3

Lab Sample ID: 200-31641-3

Client ID: SG-3

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

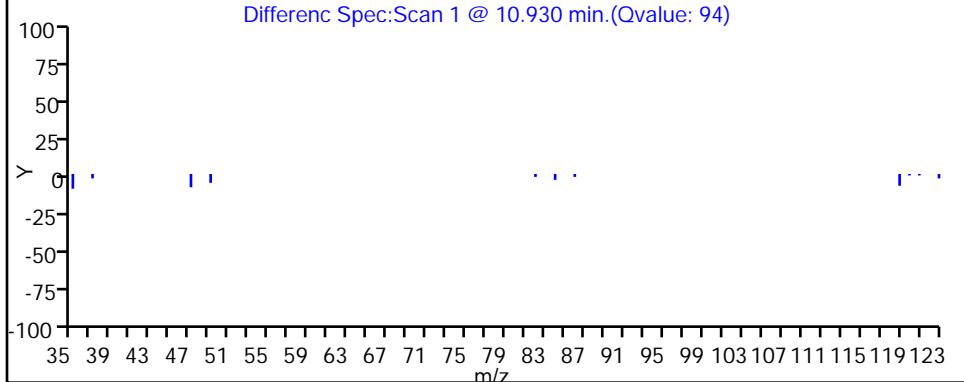
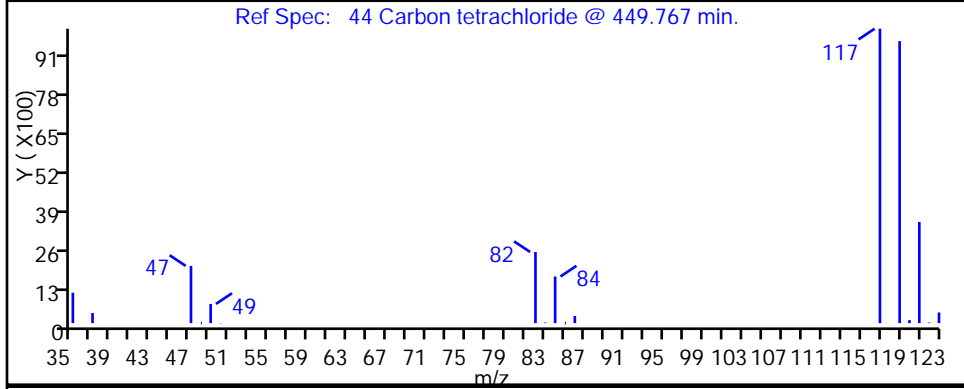
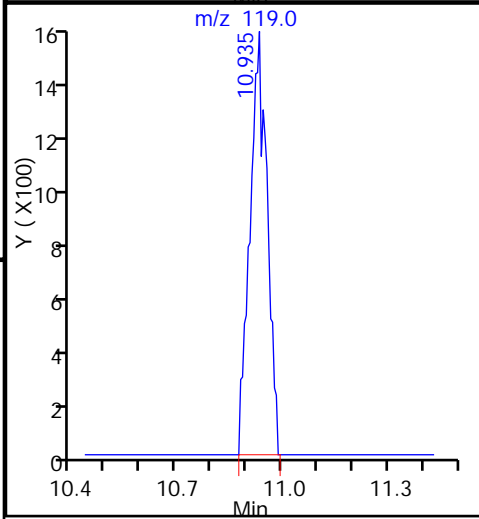
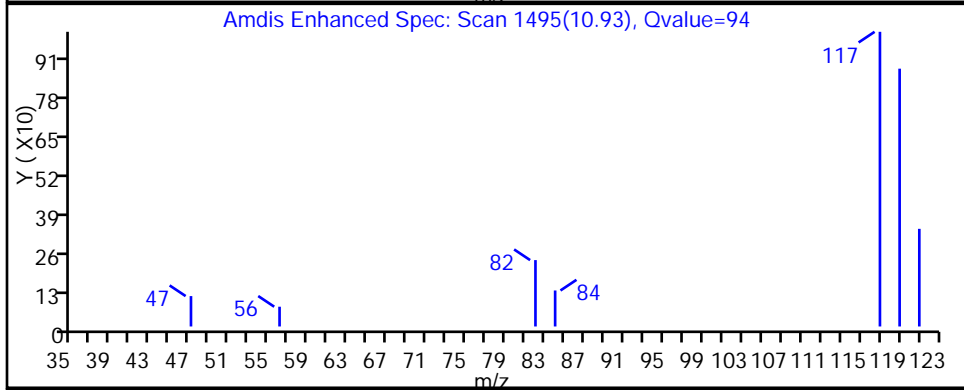
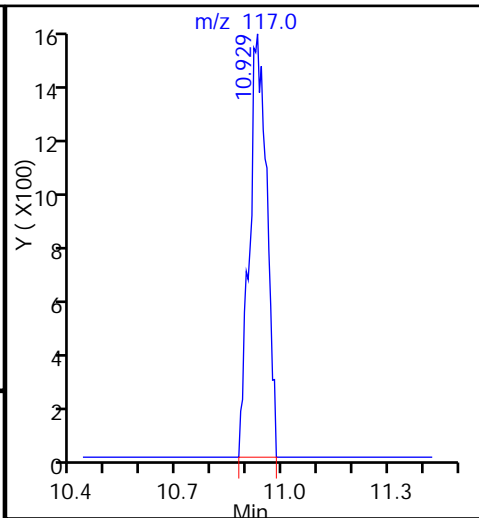
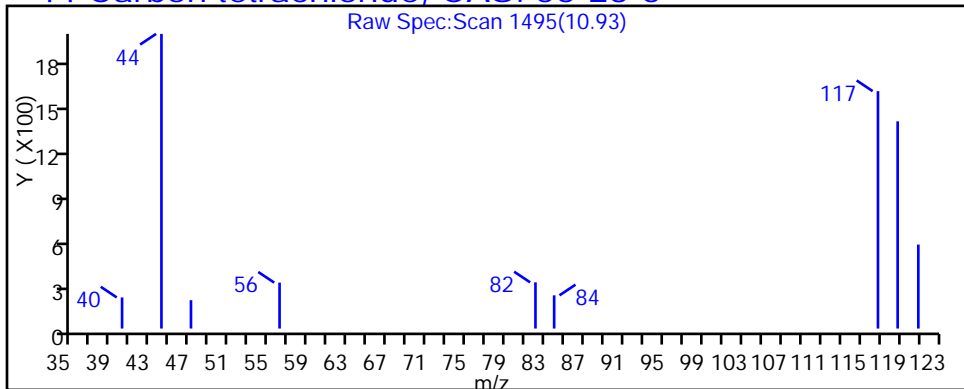
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Carbon tetrachloride, CAS: 56-23-5



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_10.D

Injection Date: 26-Jan-2016 18:06:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-3

Lab Sample ID: 200-31641-3

Client ID: SG-3

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

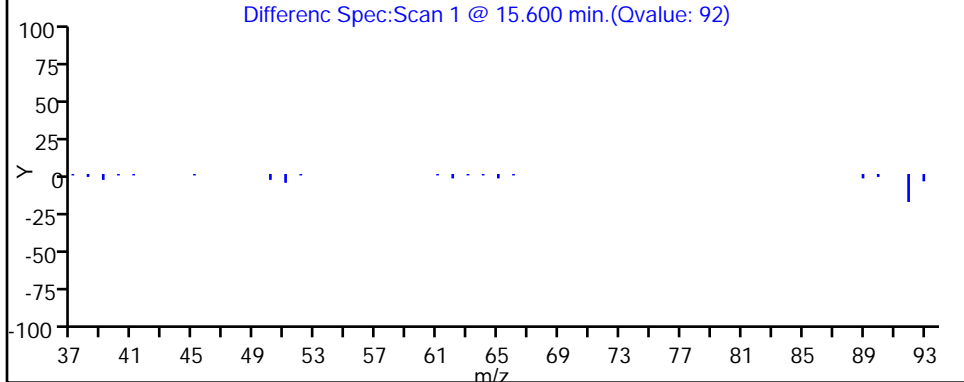
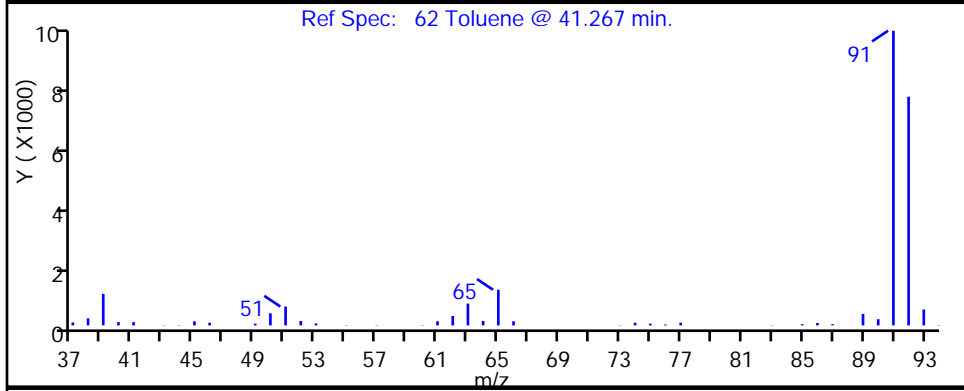
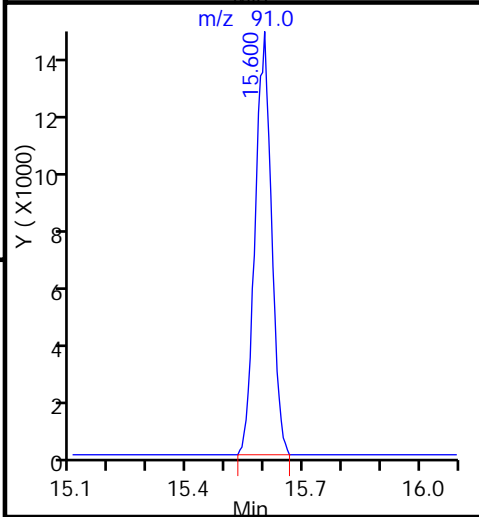
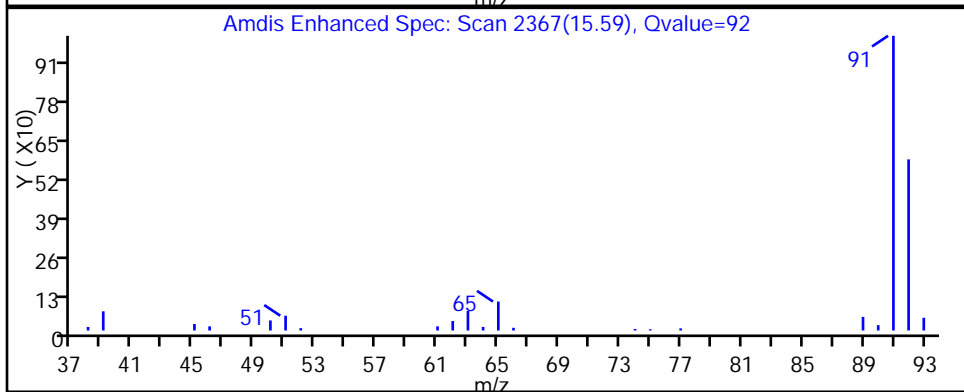
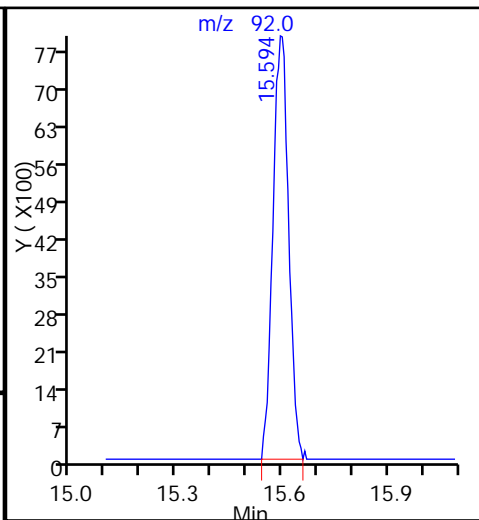
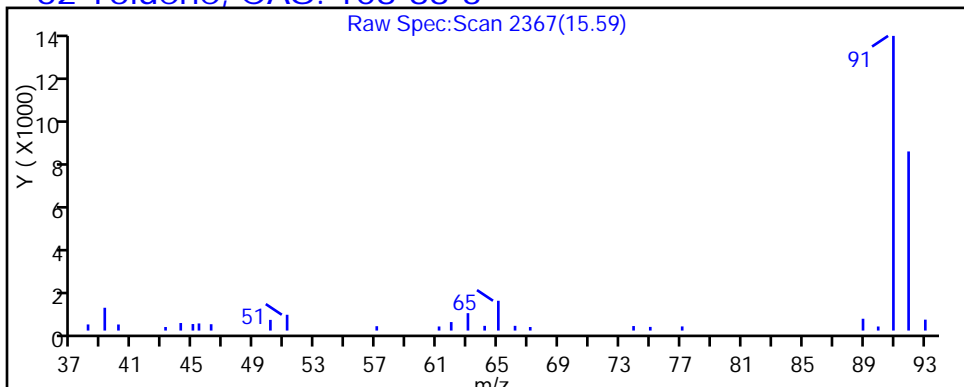
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

62 Toluene, CAS: 108-88-3



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_10.D

Injection Date: 26-Jan-2016 18:06:30

Instrument ID: CHX.i

Lims ID: 200-31641-A-3

Lab Sample ID: 200-31641-3

Client ID: SG-3

Operator ID: ggg

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

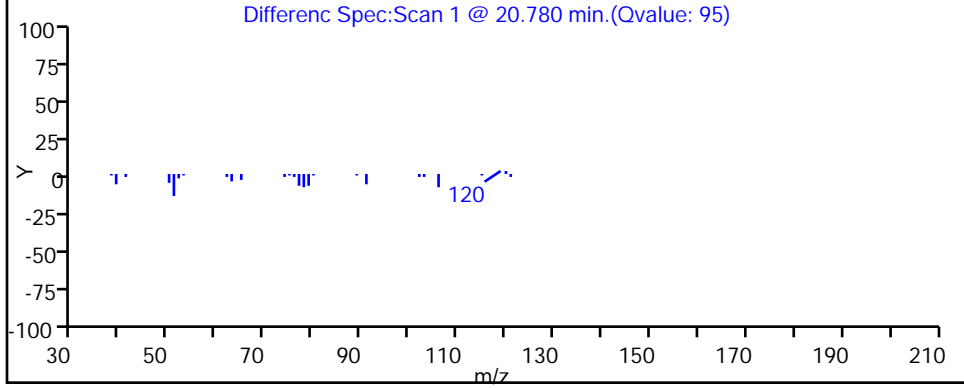
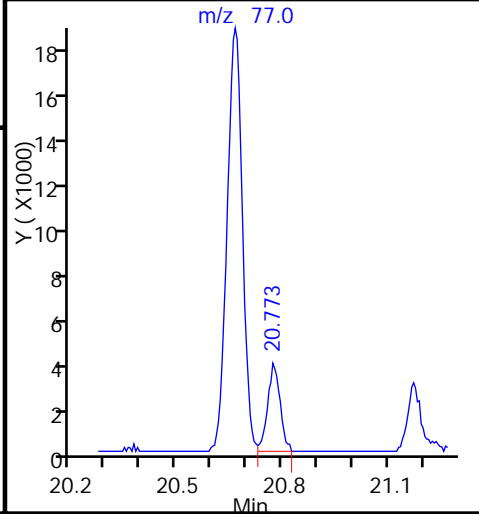
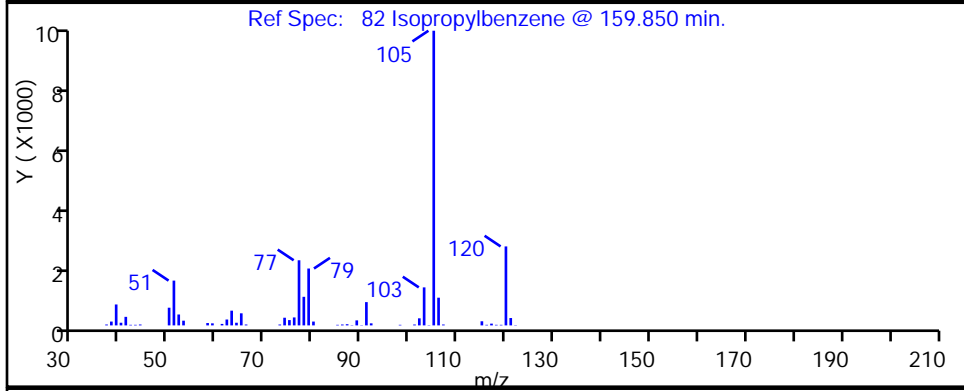
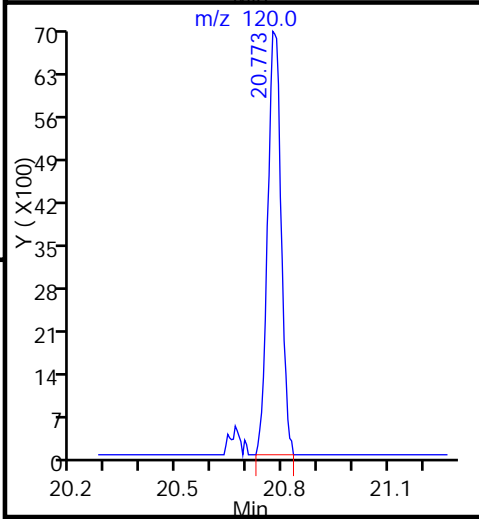
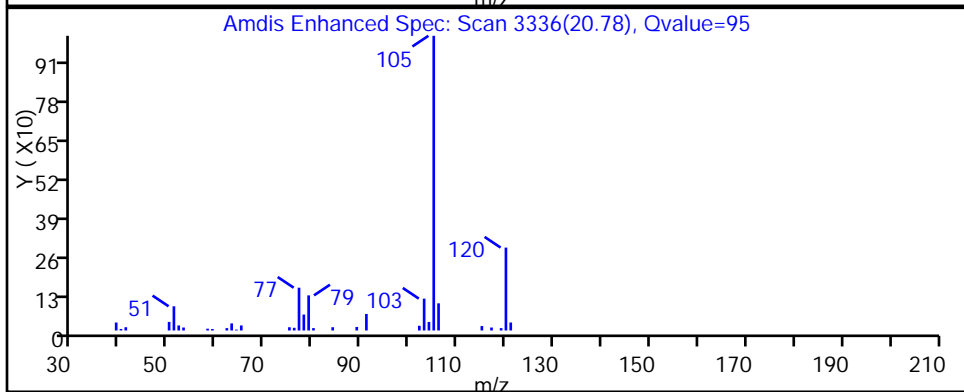
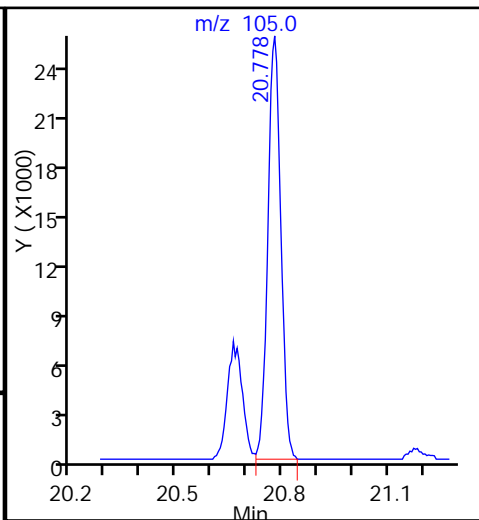
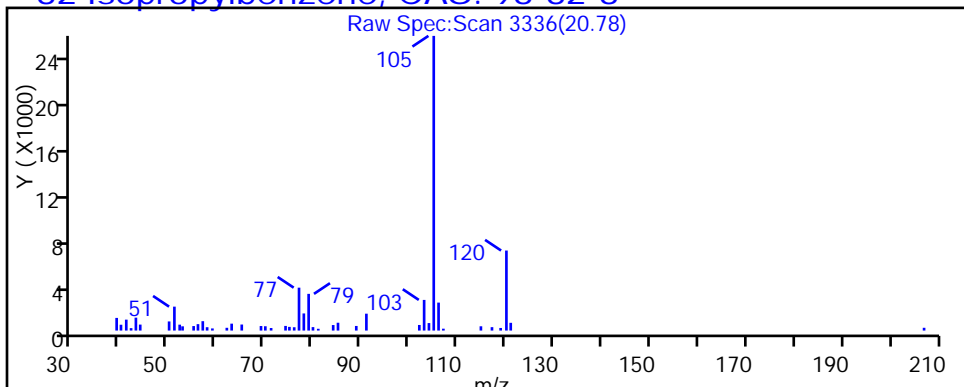
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: OA-1 Lab Sample ID: 200-31641-4
 Matrix: Air Lab File ID: 17944_22.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:50
 Sample wt/vol: 200(mL) Date Analyzed: 01/23/2016 05:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	
75-45-6	Freon 22	86.47	0.50	U	0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	
74-87-3	Chloromethane	50.49	0.61		0.50	
106-97-8	n-Butane	58.12	0.50	U	0.50	
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	
74-83-9	Bromomethane	94.94	0.20	U	0.20	
75-00-3	Chloroethane	64.52	0.50	U	0.50	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	
76-13-1	Freon TF	187.38	0.20	U	0.20	
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	
67-64-1	Acetone	58.08	5.0	U	5.0	
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	
110-54-3	n-Hexane	86.17	0.20	U	0.20	
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	
67-66-3	Chloroform	119.38	0.20	U	0.20	
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	
110-82-7	Cyclohexane	84.16	0.20	U	0.20	
56-23-5	Carbon tetrachloride	153.81	0.065		0.040	
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	
71-43-2	Benzene	78.11	0.20	U	0.20	
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: OA-1 Lab Sample ID: 200-31641-4
 Matrix: Air Lab File ID: 17944_22.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:50
 Sample wt/vol: 200(mL) Date Analyzed: 01/23/2016 05:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
142-82-5	n-Heptane	100.21	0.20	U	0.20	
79-01-6	Trichloroethene	131.39	0.040	U	0.040	
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	
108-88-3	Toluene	92.14	0.20	U	0.20	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	
95-47-6	Xylene, o-	106.17	0.20	U	0.20	
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	
100-42-5	Styrene	104.15	0.20	U	0.20	
75-25-2	Bromoform	252.75	0.20	U	0.20	
98-82-8	Cumene	120.19	0.20	U	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: OA-1 Lab Sample ID: 200-31641-4
 Matrix: Air Lab File ID: 17944_22.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:50
 Sample wt/vol: 200 (mL) Date Analyzed: 01/23/2016 05:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	
91-20-3	Naphthalene	128.17	0.50	U	0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: OA-1 Lab Sample ID: 200-31641-4
 Matrix: Air Lab File ID: 17944_22.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:50
 Sample wt/vol: 200(mL) Date Analyzed: 01/23/2016 05:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
75-45-6	Freon 22	86.47	1.8	U	1.8	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
74-87-3	Chloromethane	50.49	1.3		1.0	
106-97-8	n-Butane	58.12	1.2	U	1.2	
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	
76-13-1	Freon TF	187.38	1.5	U	1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-64-1	Acetone	58.08	12	U	12	
67-63-0	Isopropyl alcohol	60.10	12	U	12	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	
75-65-0	tert-Butyl alcohol	74.12	15	U	15	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
110-54-3	n-Hexane	86.17	0.70	U	0.70	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	
67-66-3	Chloroform	119.38	0.98	U	0.98	
109-99-9	Tetrahydrofuran	72.11	15	U	15	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69	U	0.69	
56-23-5	Carbon tetrachloride	153.81	0.41		0.25	
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	
71-43-2	Benzene	78.11	0.64	U	0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: OA-1 Lab Sample ID: 200-31641-4
 Matrix: Air Lab File ID: 17944_22.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:50
 Sample wt/vol: 200(mL) Date Analyzed: 01/23/2016 05:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: OA-1 Lab Sample ID: 200-31641-4
 Matrix: Air Lab File ID: 17944_22.D
 Analysis Method: TO-15 Date Collected: 01/18/2016 14:50
 Sample wt/vol: 200 (mL) Date Analyzed: 01/23/2016 05:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
91-20-3	Naphthalene	128.17	2.6	U	2.6	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_22.D
 Lims ID: 200-31641-A-4 Lab Sample ID: 200-31641-4
 Client ID: OA-1
 Sample Type: Client
 Inject. Date: 23-Jan-2016 05:17:30 ALS Bottle#: 23 Worklist Smp#: 22
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017944-022
 Misc. Info.: 31641-04
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Jan-2016 08:47:20 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK007

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.811	2.811	0.000	99	36108	0.4814	
3 Chlorodifluoromethane	51	2.859	2.859	0.000	96	7034	0.2655	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.063				ND	
5 Chloromethane	50	3.180	3.180	0.000	97	8073	0.6087	
6 Butane	43	3.389	3.384	0.005	98	6569	0.3887	
7 Vinyl chloride	62		3.416				ND	
8 Butadiene	54		3.491				ND	
10 Bromomethane	94		4.133				ND	
11 Chloroethane	64		4.368				ND	
13 Vinyl bromide	106		4.753				ND	
14 Trichlorofluoromethane	101	4.876	4.876	0.000	97	16337	0.2061	
20 1,1,2-Trichloro-1,2,2-trif	101	5.978	5.973	0.005	89	1984	0.0392	
21 1,1-Dichloroethene	96		5.984				ND	
22 Acetone	43	6.219	6.198	0.021	98	12456	0.7655	
23 Carbon disulfide	76		6.358				ND	
24 Isopropyl alcohol	45		6.545				ND	
25 3-Chloro-1-propene	41		6.770				ND	
27 Methylene Chloride	49	7.054	7.054	0.000	75	2526	0.1632	
28 2-Methyl-2-propanol	59		7.332				ND	
31 trans-1,2-Dichloroethene	61		7.519				ND	
29 Methyl tert-butyl ether	73		7.524				ND	
33 Hexane	57		7.968				ND	
34 1,1-Dichloroethane	63		8.380				ND	
37 cis-1,2-Dichloroethene	96		9.488				ND	
38 2-Butanone (MEK)	72		9.536				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
* 40 Chlorobromomethane	128	9.932	9.937	-0.005	65	287831	10.0	
41 Tetrahydrofuran	42		9.985				ND	
42 Chloroform	83		10.087				ND	
44 1,1,1-Trichloroethane	97		10.370				ND	
43 Cyclohexane	84		10.376				ND	
45 Carbon tetrachloride	117	10.638	10.638	0.000	96	5480	0.0654	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
47 Benzene	78	11.077	11.071	0.005	92	8159	0.1074	
46 Isooctane	57		11.125				ND	
48 1,2-Dichloroethane	62		11.221				ND	
49 n-Heptane	43		11.526				ND	
* 50 1,4-Difluorobenzene	114	11.916	11.916	0.000	91	1640639	10.0	
53 Trichloroethene	95		12.387				ND	
54 1,2-Dichloropropane	63		12.895				ND	
55 Methyl methacrylate	69		13.120				ND	
56 1,4-Dioxane	88		13.152				ND	
58 Dichlorobromomethane	83		13.457				ND	
60 cis-1,3-Dichloropropene	75		14.431				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.757				ND	
65 Toluene	92	15.073	15.073	0.000	94	19870	0.1706	
66 trans-1,3-Dichloropropene	75		15.672				ND	
67 1,1,2-Trichloroethane	83		16.046				ND	
68 Tetrachloroethene	166		16.223				ND	
69 2-Hexanone	43		16.549				ND	
71 Chlorodibromomethane	129		16.833				ND	
72 Ethylene Dibromide	107		17.100				ND	
* 74 Chlorobenzene-d5	117	18.047	18.053	-0.005	80	2644769	10.0	
75 Chlorobenzene	112		18.111				ND	
76 Ethylbenzene	91	18.293	18.293	0.000	92	4709	0.0194	
78 m-Xylene & p-Xylene	106	18.550	18.550	0.000	0	4625	0.0454	
79 o-Xylene	106	19.395	19.395	0.000	90	1767	0.0161	M
80 Styrene	104		19.443				ND	
S 73 Xylenes, Total	106				0		0.0615	
81 Bromoform	173		19.850				ND	
82 Isopropylbenzene	105		20.139				ND	
84 1,1,2,2-Tetrachloroethane	83		20.781				ND	
85 N-Propylbenzene	91		20.899				ND	
89 2-Chlorotoluene	91		21.086				ND	
88 4-Ethyltoluene	105		21.102				ND	
90 1,3,5-Trimethylbenzene	105		21.214				ND	
92 tert-Butylbenzene	119		21.717				ND	
93 1,2,4-Trimethylbenzene	105	21.813	21.813	0.000	91	3110	0.0124	
94 sec-Butylbenzene	105		22.054				ND	
95 4-Isopropyltoluene	119		22.263				ND	
96 1,3-Dichlorobenzene	146		22.268				ND	
97 1,4-Dichlorobenzene	146		22.402				ND	
98 Benzyl chloride	91		22.589				ND	
100 n-Butylbenzene	91		22.830				ND	
101 1,2-Dichlorobenzene	146		22.921				ND	
103 1,2,4-Trichlorobenzene	180		25.317				ND	
104 Hexachlorobutadiene	225		25.526				ND	
105 Naphthalene	128		25.751				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_22.D

Injection Date: 23-Jan-2016 05:17:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: 200-31641-A-4

Lab Sample ID: 200-31641-4

Worklist Smp#: 22

Client ID: OA-1

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

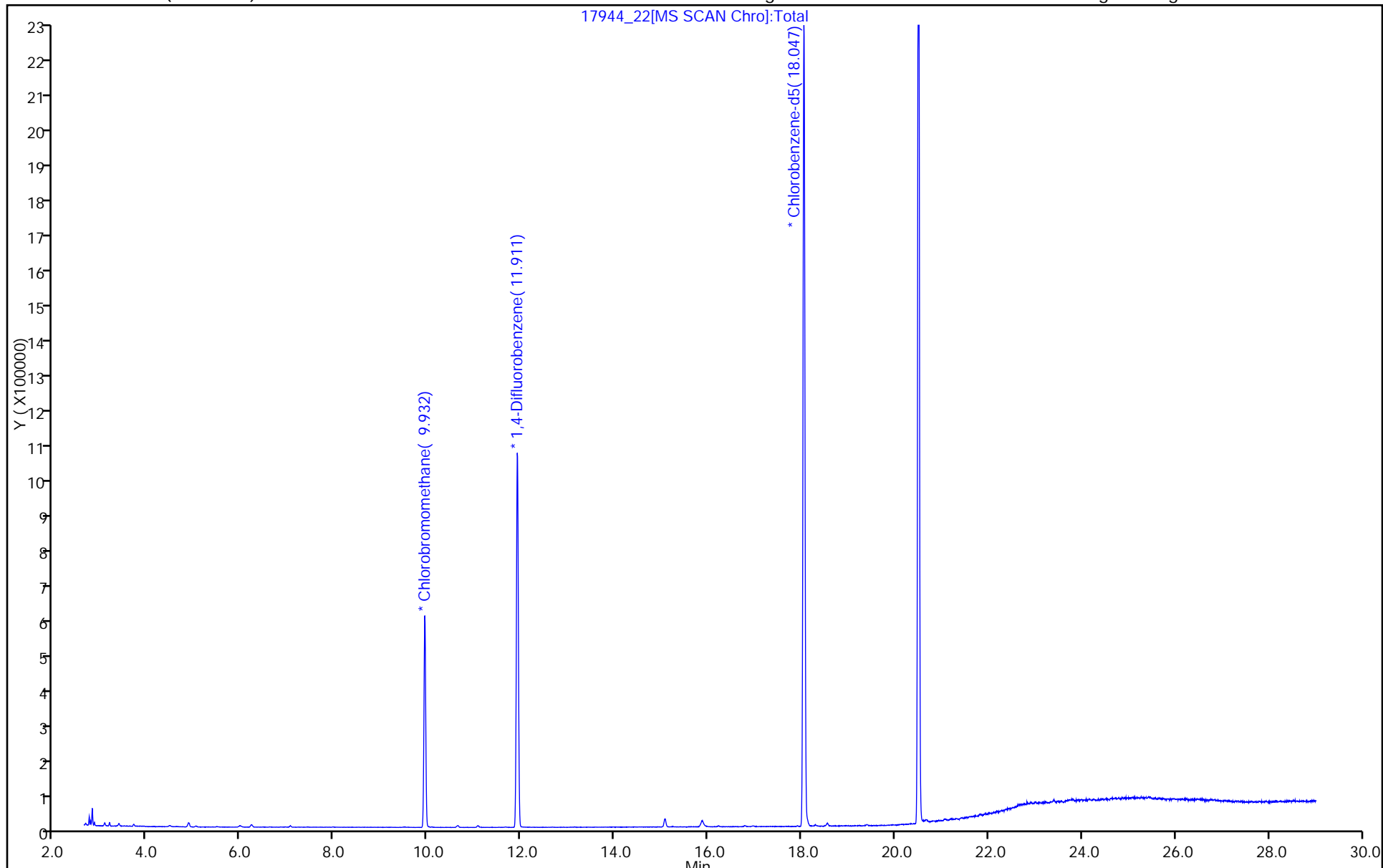
ALS Bottle#: 23

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



17944_22[MS SCAN Chro]:Total

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_22.D

Injection Date: 23-Jan-2016 05:17:30

Instrument ID: CHG.i

Lims ID: 200-31641-A-4

Lab Sample ID: 200-31641-4

Client ID: OA-1

Operator ID: pad

ALS Bottle#: 23

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

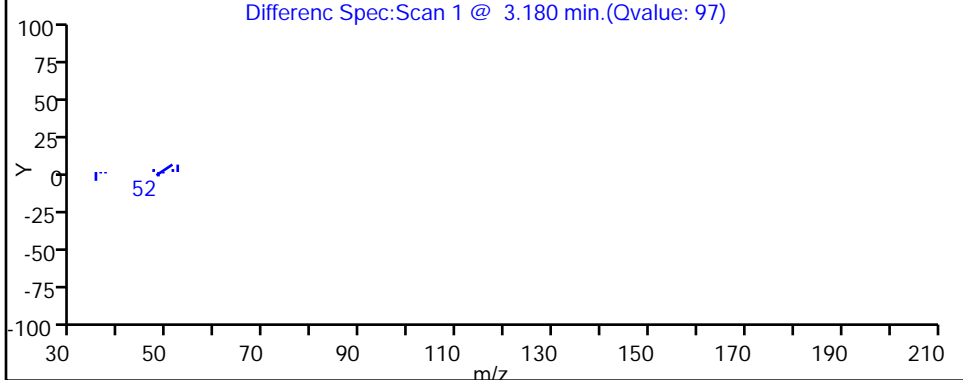
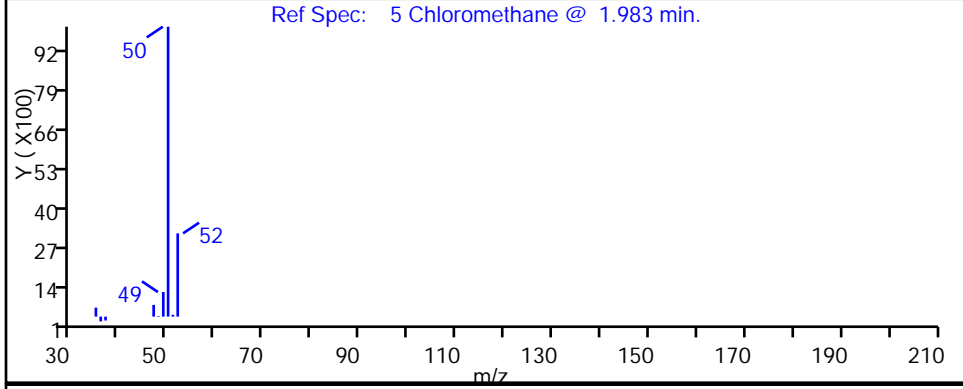
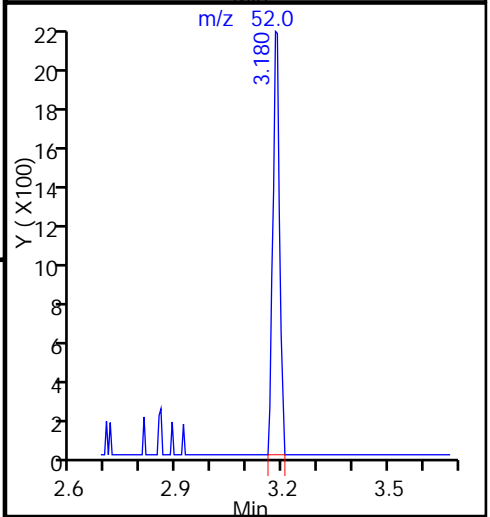
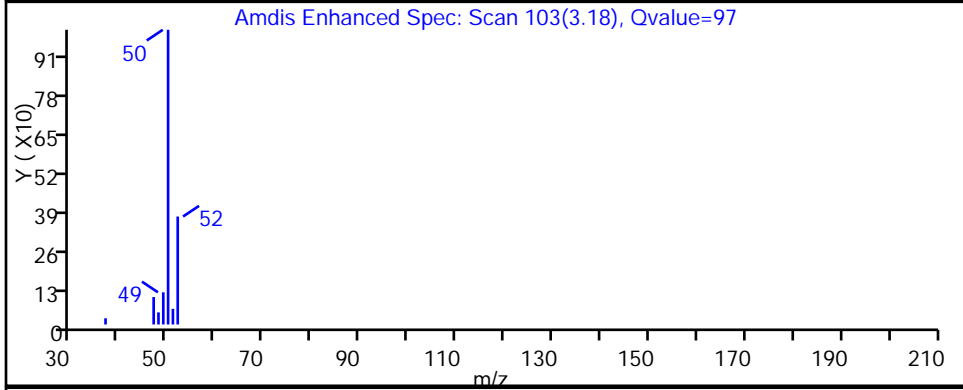
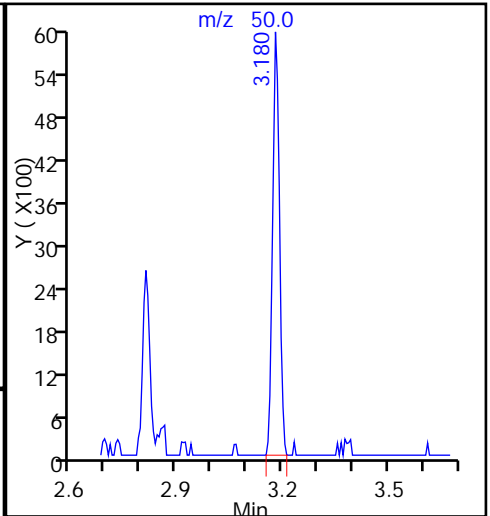
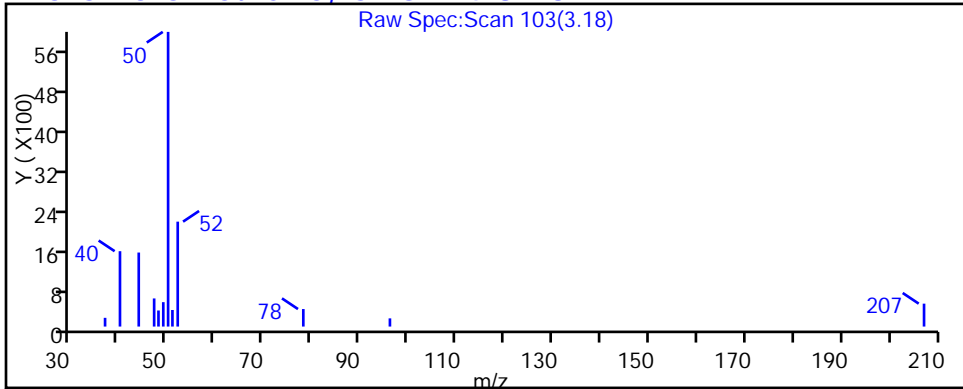
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_22.D

Injection Date: 23-Jan-2016 05:17:30

Instrument ID: CHG.i

Lims ID: 200-31641-A-4

Lab Sample ID: 200-31641-4

Client ID: OA-1

Operator ID: pad

ALS Bottle#: 23

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

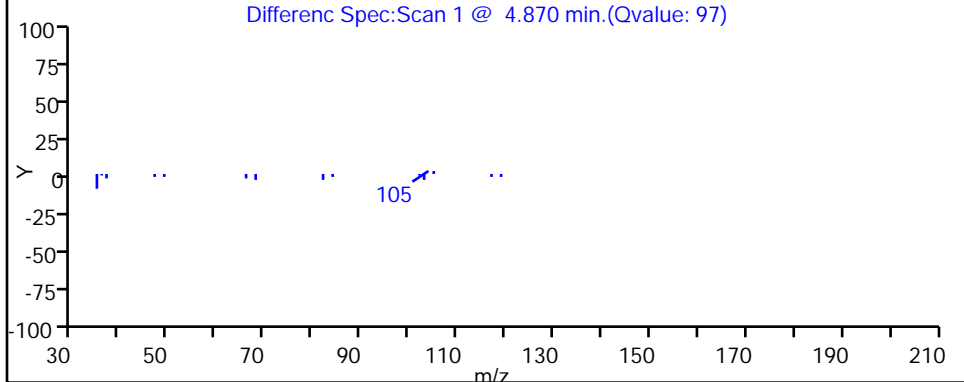
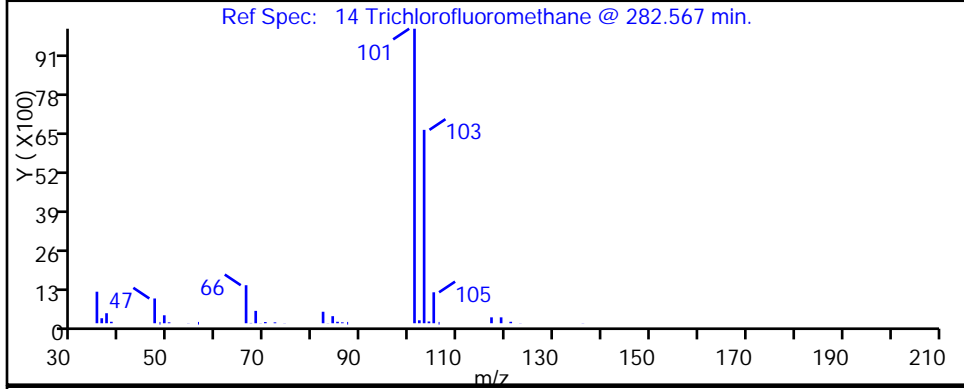
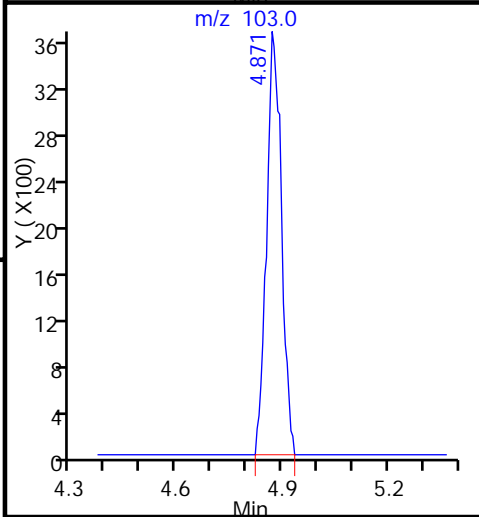
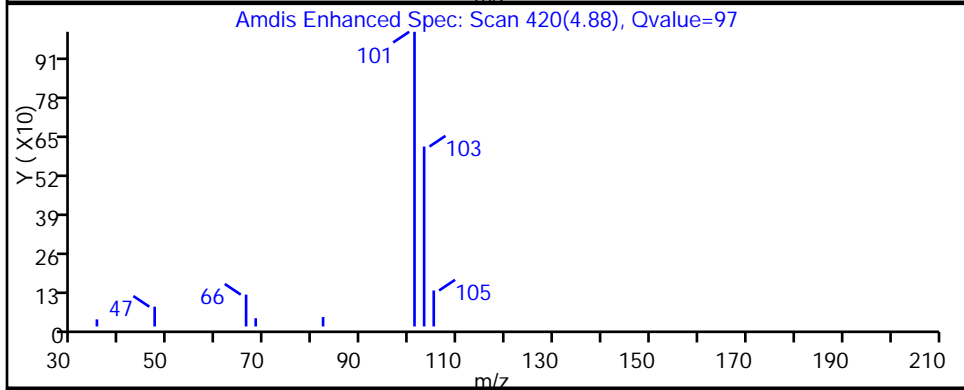
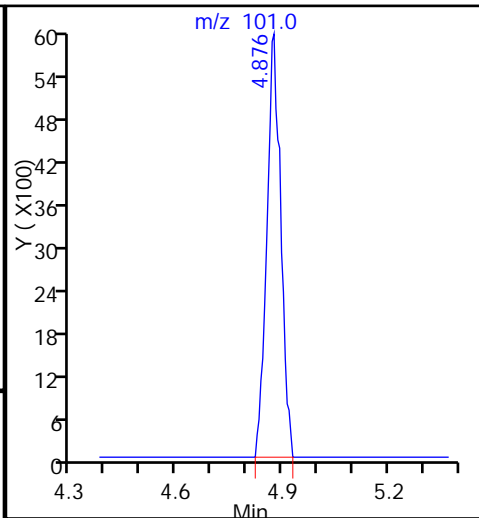
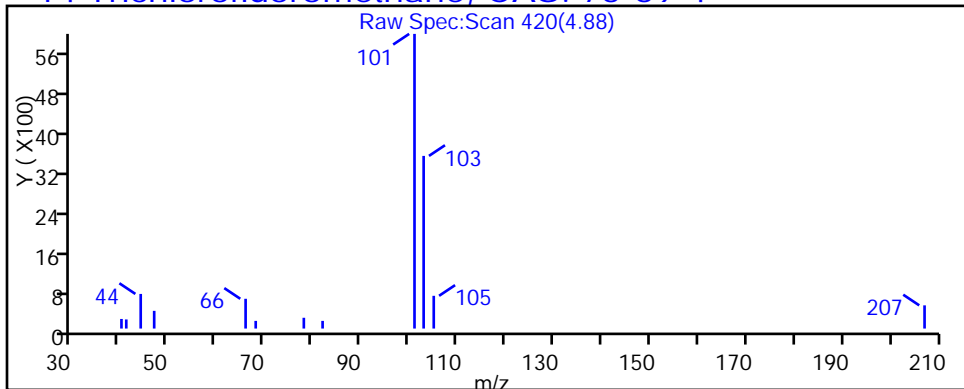
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_22.D

Injection Date: 23-Jan-2016 05:17:30

Instrument ID: CHG.i

Lims ID: 200-31641-A-4

Lab Sample ID: 200-31641-4

Client ID: OA-1

Operator ID: pad

ALS Bottle#: 23

Worklist Smp#: 22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

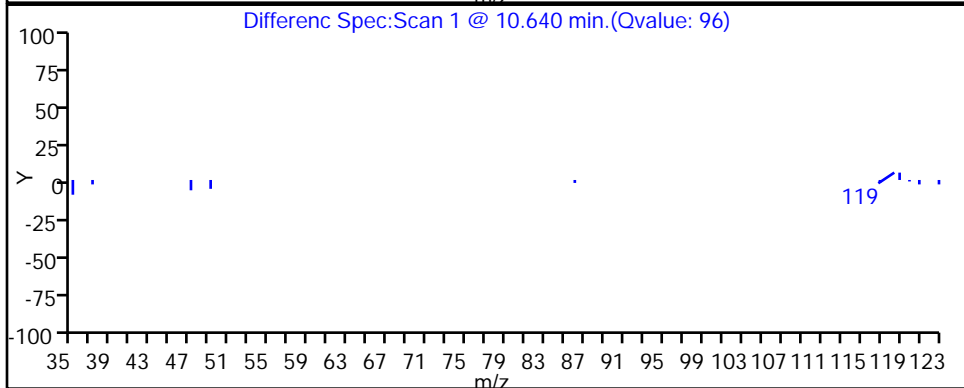
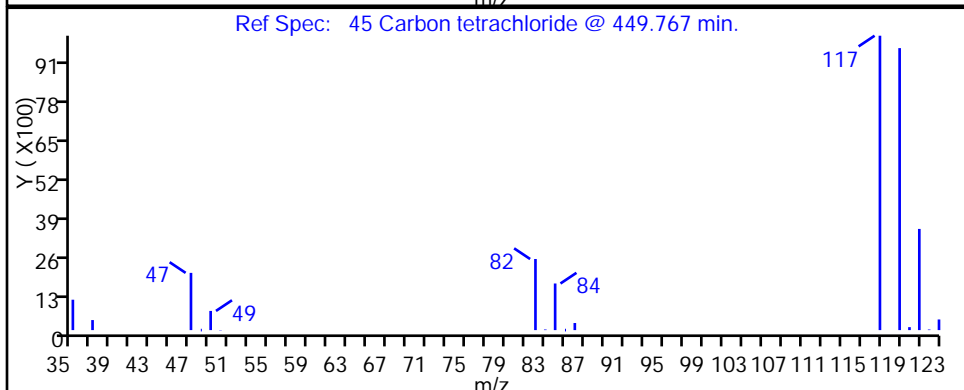
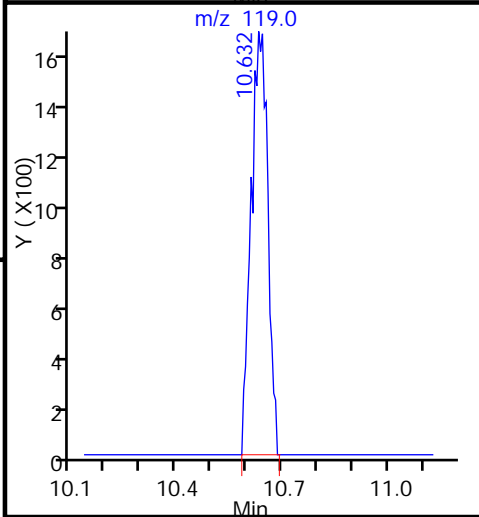
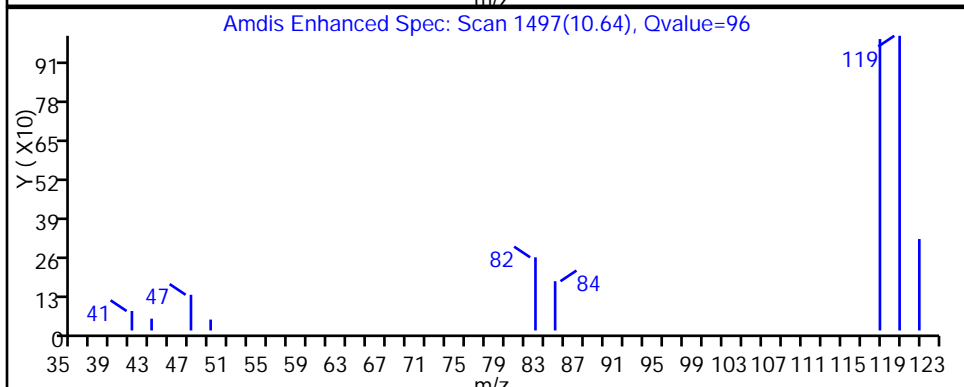
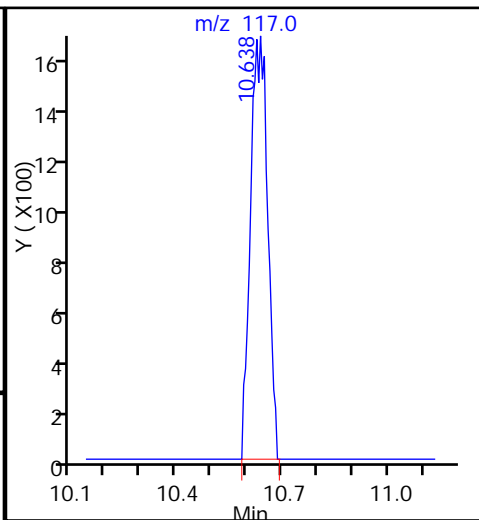
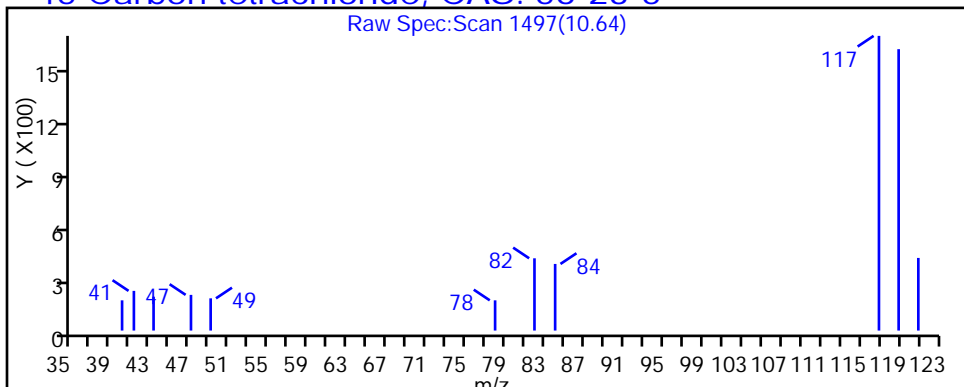
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Carbon tetrachloride, CAS: 56-23-5



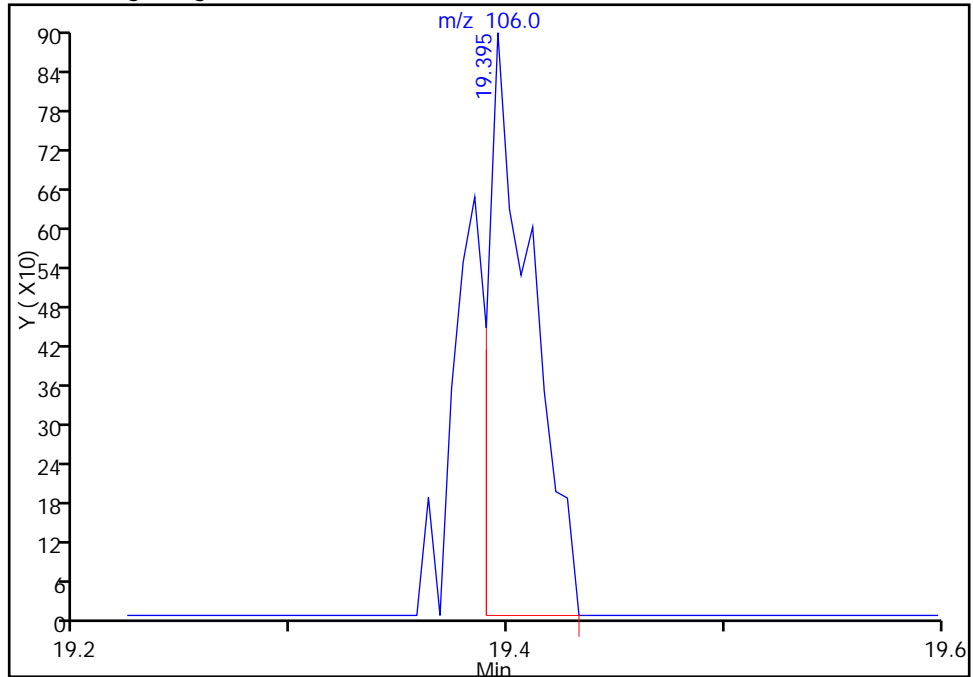
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_22.D		
Injection Date:	23-Jan-2016 05:17:30	Instrument ID:	CHG.i
Lims ID:	200-31641-A-4	Lab Sample ID:	200-31641-4
Client ID:	OA-1		
Operator ID:	pad	ALS Bottle#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	22

79 o-Xylene, CAS: 95-47-6

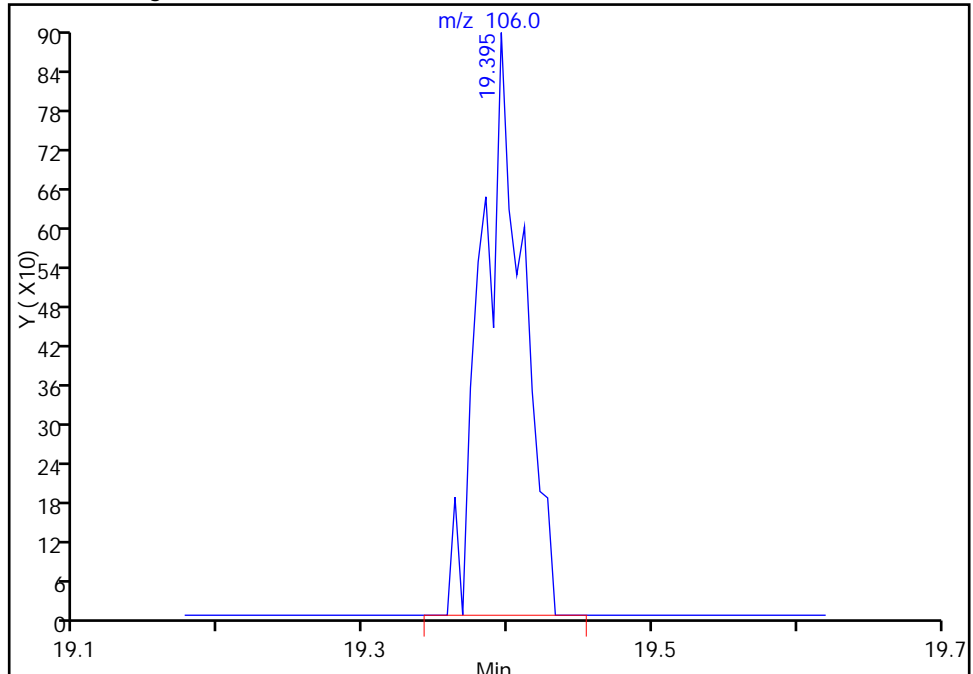
RT: 19.40
 Area: 1217
 Amount: 0.011097
 Amount Units: ppb v/v

Processing Integration Results



RT: 19.40
 Area: 1767
 Amount: 0.016112
 Amount Units: ppb v/v

Manual Integration Results



Reviewer: guazzonig, 23-Jan-2016 14:23:42
 Audit Action: Manually Integrated
 Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Burlington Job No.: 200-31641-1 Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54 Calibration End Date: 01/19/2016 00:44 Calibration ID: 33328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-99657/3	17836_03.D
Level 2	IC 200-99657/4	17836_04.D
Level 3	IC 200-99657/6	17836_06.D
Level 4	IC 200-99657/7	17836_07.D
Level 5	ICIS 200-99657/8	17836_08.D
Level 6	IC 200-99657/9	17836_09.D
Level 7	IC 200-99657/10	17836_10.D
Level 8	IC 200-99657/11	17836_11.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								
	LVL 6	LVL 7	LVL 8														
Propylene	+++++	+++++	+++++	0.3238	0.3035	Ave		0.2910			8.6		30.0				
	0.2838	0.2879	0.2563														
Dichlorodifluoromethane	+++++	+++++	2.8713	2.8971	2.6883	Ave		2.6061			10.5		30.0				
	2.4744	2.5357	2.1699														
Freon 22	+++++	+++++	0.9847	0.9575	0.9523	Ave		0.9203			6.5		30.0				
	0.8998	0.9109	0.8169														
1,2-Dichlorotetrafluoroethane	+++++	2.4596	2.4948	2.3660	2.2999	Ave		2.2591			9.3		30.0				
	2.1228	2.1761	1.8948														
Chloromethane	+++++	+++++	0.5356	0.4719	0.4730	Ave		0.4608			9.9		30.0				
	0.4357	0.4487	0.3999														
n-Butane	+++++	+++++	0.7024	0.6273	0.5855	Ave		0.5871			12.0		30.0				
	0.5503	0.5584	0.4989														
Vinyl chloride	0.7621	0.7109	0.6897	0.6699	0.6395	Ave		0.6532			10.7		30.0				
	0.6053	0.6090	0.5392														
1,3-Butadiene	+++++	0.3737	0.3850	0.3874	0.3747	Ave		0.3656			6.0		30.0				
	0.3506	0.3621	0.3254														
Bromomethane	+++++	0.9817	1.0194	0.9973	0.9687	Ave		0.9469			7.1		30.0				
	0.9036	0.9362	0.8214														
Chloroethane	+++++	+++++	0.2325	0.2453	0.2399	Ave		0.2325			5.1		30.0				
	0.2264	0.2388	0.2120														
Isopentane	+++++	0.5015	0.4522	0.3859	0.3733	Ave		0.3934			15.7		30.0				
	0.3517	0.3649	0.3246														
Bromoethene (Vinyl Bromide)	+++++	1.0309	1.0345	1.0830	1.0264	Ave		1.0090			5.3		30.0				
	0.9682	1.0028	0.9173														
Trichlorofluoromethane	+++++	3.0871	2.9805	2.8944	2.7686	Ave		2.7538			9.4		30.0				
	2.5742	2.6306	2.3414														
n-Pentane	+++++	+++++	0.6267	0.5528	0.5457	Ave		0.5408			9.2		30.0				
	0.5083	0.5310	0.4803														

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

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CURVE EVALUATION

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

Calibration End Date: 01/19/2016 00:44

Calibration ID: 33328

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								
	LVL 6	LVL 7	LVL 8														
Ethanol	++++ 0.1576	++++ 0.1335	0.1412 0.1188	0.1524	0.1343	Ave		0.1396			10.1		30.0				
Ethyl ether	++++ 0.2606	0.2274 0.2689	0.2552 0.2449	0.2644	0.2776	Ave		0.2570			6.5		30.0				
Acrolein	++++ 0.0811	++++ 0.0976	++++ 0.0884	0.1024	0.1134	Ave		0.0966			12.9		30.0				
Freon TF	++++ 1.6390	2.0131 1.7063	1.8736 1.5060	1.8011	1.7631	Ave		1.7575			9.3		30.0				
1,1-Dichloroethene	++++ 0.6944	0.7889 0.7289	0.7979 0.6461	0.7735	0.7527	Ave		0.7403			7.4		30.0				
Acetone	++++ 0.5609	++++ 0.5219	++++ 0.4879	0.6934	0.5627	Ave		0.5653			13.8		30.0				
Carbon disulfide	++++ 1.7431	++++ 1.8065	1.8069 1.6384	1.8799	1.8176	Ave		1.7821			4.6		30.0				
Isopropyl alcohol	++++ 0.4207	++++ 0.4340	++++ 0.3983	0.5189	0.4353	Ave		0.4414			10.4		30.0				
3-Chloropropene	++++ 0.3646	0.4090 0.4161	0.4328 0.3549	0.3294	0.4250	Ave		0.3902			10.3		30.0				
Acetonitrile	++++ 0.1865	++++ 0.2014	++++ 0.1837	0.2140	0.2102	Ave		0.1992			6.9		30.0				
Methylene Chloride	++++ 0.4937	++++ 0.5208	0.6561 0.4687	0.5515	0.5366	Ave		0.5379			12.1		30.0				
tert-Butyl alcohol	++++ 0.7822	++++ 0.8090	++++ 0.7445	0.9244	0.8218	Ave		0.8164			8.2		30.0				
trans-1,2-Dichloroethene	++++ 0.7676	0.7770 0.8097	0.8640 0.7227	0.8415	0.8212	Ave		0.8005			6.0		30.0				
Methyl tert-butyl ether	++++ 1.5249	1.5772 1.5876	1.6046 1.4585	1.5956	1.6562	Ave		1.5721			4.0		30.0				
Acrylonitrile	++++ 0.2325	++++ 0.2420	0.1969 0.2328	0.2263	0.2511	Ave		0.2303			8.0		30.0				
n-Hexane	++++ 0.5570	0.5366 0.5868	0.5805 0.5312	0.6011	0.5881	Ave		0.5687			4.8		30.0				
1,1-Dichloroethane	0.9943 1.0090	0.9871 1.0458	1.0233 0.9563	1.0593	1.0682	Ave		1.0179			3.8		30.0				
Vinyl acetate	++++ 0.8183	++++ 0.8572	++++ 0.8146	0.7666	0.8902	Ave		0.8294			5.6		30.0				
cis-1,2-Dichloroethene	++++ 0.8914	0.9359 0.9432	0.9486 0.8517	0.9801	0.9524	Ave		0.9290			4.6		30.0				
Methyl Ethyl Ketone	++++ 0.2400	++++ 0.2414	0.2235 0.2313	0.2643	0.2512	Ave		0.2420			6.0		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

Calibration End Date: 01/19/2016 00:44

Calibration ID: 33328

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								
	LVL 6	LVL 7	LVL 8														
Ethyl acetate	++++ 0.0369	++++ 0.0384	++++ 0.0366	0.0377	0.0400	Ave		0.0379			3.6		30.0				
Tetrahydrofuran	++++ 0.0591	++++ 0.0707	++++ 0.0610	0.0737	0.0667	Ave		0.0662			9.3		30.0				
Chloroform	++++ 1.9207	2.0200 2.0255	2.0618 1.8261	2.1114	2.0693	Ave		2.0050			4.9		30.0				
1,1,1-Trichloroethane	++++ 0.4008	0.4352 0.4907	0.4838 0.3978	0.5205	0.4588	Ave		0.4554			10.2		30.0				
Cyclohexane	++++ 0.1534	0.1699 0.1866	0.1873 0.1561	0.1975	0.1736	Ave		0.1749			9.5		30.0				
Carbon tetrachloride	0.4849 0.4782	0.4875 0.6011	0.5637 0.4942	0.4058	0.5676	Ave		0.5104			12.3		30.0				
Benzene	++++ 0.4051	0.4880 0.4848	0.4929 0.4140	0.4948	0.4611	Ave		0.4630			8.3		30.0				
2,2,4-Trimethylpentane	++++ 0.4365	0.4888 0.5320	0.5481 0.4420	0.5698	0.5019	Ave		0.5027			10.2		30.0				
1,2-Dichloroethane	++++ 0.2115	0.2332 0.2532	0.2409 0.2175	0.2527	0.2393	Ave		0.2355			6.8		30.0				
n-Heptane	++++ 0.1379	0.1574 0.1667	0.1749 0.1380	0.1815	0.1589	Ave		0.1593			10.6		30.0				
n-Butanol	++++ 0.0458	0.0563 0.0563	0.0474 0.0474	0.0675	0.0522	Ave		0.0538			16.1		30.0				
Trichloroethene	0.3833 0.3016	0.3488 0.3794	0.3829 0.3040	0.4183	0.3508	Ave		0.3586			11.3		30.0				
1,2-Dichloropropane	++++ 0.1661	0.1909 0.1956	0.1952 0.1671	0.2022	0.1915	Ave		0.1869			7.7		30.0				
Methyl methacrylate	++++ 0.1413	0.1649 0.1649	0.1477 0.1380	0.1677	0.1630	Ave		0.1538			8.4		30.0				
Dibromomethane	++++ 0.4257	0.5350 0.5244	0.5591 0.4042	0.5951	0.5018	Ave		0.5065			13.7		30.0				
1,4-Dioxane	++++ 0.0849	0.0982 0.0982	0.0784 0.0784	0.1478	0.0973	Ave		0.1013			26.9		30.0				
Bromodichloromethane	++++ 0.5808	0.5631 0.6800	0.6221 0.5648	0.6997	0.6511	Ave		0.6231			9.0		30.0				
cis-1,3-Dichloropropene	++++ 0.4333	0.4234 0.5122	0.4793 0.4280	0.5353	0.5009	Ave		0.4732			9.6		30.0				
methyl isobutyl ketone	++++ 0.2995	0.3606 0.3606	0.3655 0.3064	0.4609	0.3544	Ave		0.3579			16.2		30.0				
Toluene	++++ 0.4042	0.4841 0.4319	0.4650 0.3802	0.4673	0.4506	Ave		0.4405			8.5		30.0				

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

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Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

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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								
	LVL 6	LVL 7	LVL 8														
n-Octane	++++ 0.3432	0.4446 0.3993	0.4613 0.3099	0.4729	0.4047	Ave		0.4051			15.0		30.0				
trans-1,3-Dichloropropene	++++ 0.4603	0.4409 0.5503	0.4910 0.4641	0.5421	0.5431	Ave		0.4988			9.2		30.0				
1,1,2-Trichloroethane	++++ 0.1998	0.2197 0.2149	0.2270 0.1885	0.2370	0.2233	Ave		0.2157			7.7		30.0				
Tetrachloroethene	0.6622 0.5269	0.5890 0.5716	0.6460 0.4776	0.6657	0.5837	Ave		0.5903			11.3		30.0				
Methyl Butyl Ketone (2-Hexanone)	++++ 0.1906	++++ 0.2105	0.2366 0.1896	0.2720	0.2180	Ave		0.2196			14.2		30.0				
Dibromochloromethane	++++ 0.6090	0.4811 0.6364	0.5297 0.5528	0.6057	0.6459	Ave		0.5801			10.5		30.0				
1,2-Dibromoethane	++++ 0.4692	0.4517 0.5116	0.4842 0.4479	0.5446	0.5198	Ave		0.4898			7.5		30.0				
Chlorobenzene	++++ 0.6369	0.6988 0.6840	0.7401 0.5996	0.7535	0.7087	Ave		0.6888			7.9		30.0				
Ethylbenzene	++++ 0.8525	0.9526 0.9293	0.9745 0.7845	0.9815	0.9449	Ave		0.9171			7.9		30.0				
n-Nonane	++++ 0.2493	0.2996 0.2718	0.3170 0.2085	0.3252	0.2829	Ave		0.2792			14.6		30.0				
m,p-Xylene	++++ 0.3498	0.4112 0.3788	0.4352 0.3091	0.4191	0.3945	Ave		0.3854			11.4		30.0				
Xylene, o-	++++ 0.3837	0.4259 0.4173	0.4457 0.3630	0.4408	0.4263	Ave		0.4147			7.3		30.0				
Styrene	++++ 0.5689	0.4569 0.5911	0.5167 0.5491	0.6565	0.6143	Ave		0.5648			11.6		30.0				
Bromoform	++++ 0.5728	0.3352 0.5378	0.3846 0.4662	0.4311	0.5710	Ave		0.4712			19.8		30.0				
Cumene	++++ 1.0363	1.1328 1.1385	1.2282 0.9623	1.2101	1.1521	Ave		1.1229			8.4		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.4904	0.5520 0.5203	0.5951 0.4371	0.5933	0.5511	Ave		0.5342			10.6		30.0				
1,2,3-Trichloropropane	++++ 0.3422	++++ 0.3611	0.4320 0.2940	0.4145	0.3858	Ave		0.3716			13.5		30.0				
n-Propylbenzene	++++ 1.1053	1.2305 1.1462	1.3457 0.9453	1.3114	1.2435	Ave		1.1897			11.5		30.0				
2-Chlorotoluene	++++ 0.7896	0.9188 0.7962	0.9646 0.6486	0.9607	0.8757	Ave		0.8506			13.4		30.0				
4-Ethyltoluene	++++ 0.9804	1.0981 0.9903	1.1927 0.8234	1.1682	1.0972	Ave		1.0500			12.2		30.0				

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

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Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

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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								
	LVL 6	LVL 7	LVL 8														
n-Decane	++++ 0.3191	++++ 0.3248	0.3990 0.2545	0.4059	0.3606	Ave		0.3440			16.5		30.0				
1,3,5-Trimethylbenzene	++++ 0.8886	0.9484 0.9616	1.0132 0.8099	1.0102	1.0008	Ave		0.9475			7.9		30.0				
Alpha Methyl Styrene	++++ 0.4882	0.3668 0.5111	0.4150 0.4555	0.5031	0.5373	Ave		0.4681			12.8		30.0				
tert-Butylbenzene	++++ 0.8963	0.9720 0.9731	1.0560 0.7863	1.0351	1.0070	Ave		0.9608			9.7		30.0				
1,2,4-Trimethylbenzene	++++ 0.9074	0.9443 0.9411	1.0290 0.7996	1.0116	1.0289	Ave		0.9517			8.7		30.0				
sec-Butylbenzene	++++ 1.2594	1.3872 1.3462	1.5015 1.0860	1.4826	1.4421	Ave		1.3579			10.8		30.0				
4-Isopropyltoluene	++++ 1.0360	1.1897 1.0978	1.3191 0.8545	1.2726	1.2029	Ave		1.1389			13.9		30.0				
1,3-Dichlorobenzene	++++ 0.6870	0.8112 0.6823	0.8779 0.5581	0.8642	0.8132	Ave		0.7563			15.5		30.0				
1,4-Dichlorobenzene	++++ 0.7623	0.8096 0.7644	0.8684 0.6857	0.8901	0.8776	Ave		0.8083			9.3		30.0				
Benzyl chloride	++++ 0.6745	0.5571 0.7236	0.6766 0.6550	0.6072	0.7967	Ave		0.6701			11.5		30.0				
n-Butylbenzene	++++ 0.8966	0.9669 0.9472	1.0550 0.7668	1.0623	1.0176	Ave		0.9589			10.8		30.0				
n-Undecane	++++ 0.3137	++++ 0.3242	++++ 0.2375	0.3974	0.3707	Ave		0.3287			18.7		30.0				
1,2-Dichlorobenzene	++++ 0.6926	0.8154 0.7272	0.8449 0.5778	0.8494	0.7922	Ave		0.7571			13.0		30.0				
n-Dodecane	++++ 0.2949	++++ 0.2945	++++ 0.2081	0.2790	0.3310	Ave		0.2815			16.1		30.0				
1,2,4-Trichlorobenzene	++++ 0.5097	++++ 0.5064	0.6023 0.5116	0.5600	0.5993	Ave		0.5482			8.3		30.0				
Hexachlorobutadiene	++++ 0.4910	0.5819 0.5193	0.6459 0.3679	0.6141	0.5877	Ave		0.5440			17.3		30.0				
Naphthalene	++++ 0.9644	++++ 0.8971	1.2905 1.0776	1.1817	1.1536	Ave		1.0941			13.3		30.0				
1,2,3-Trichlorobenzene	++++ 0.4902	++++ 0.4983 0.5279	0.6201 0.4759	0.5352	0.5666	Ave		0.5306			9.4		30.0				

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

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Level 7	IC 200-99657/10	17836_10.D
Level 8	IC 200-99657/11	17836_11.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 100119	++++ 134057	++++ 261545	33990	69020	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 872875	++++ 1180743	33894 2214561	304107	611440	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 317395	++++ 424158	11624 833735	100506	216593	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 748826	10946 1013308	29450 1933832	248358	523105	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 153685	++++ 208918	6323 408090	49534	107578	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 194111	++++ 260032	8291 509183	65843	133177	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	673 213535	3164 283601	8141 550266	70323	145456	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 123667	1663 168607	4545 332107	40664	85234	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 318760	4369 435969	12034 838270	104686	220324	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 79878	++++ 111218	2745 216414	25748	54569	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 124070	2232 169919	5338 331257	40508	84901	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 341541	4588 466971	12212 936160	113679	233457	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 908056	13739 1224948	35183 2389608	303821	629715	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 179321	++++ 247252	7398 490216	58032	124113	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 74273	++++ 124315	16686 303196	32008	45831	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

Calibration End Date: 01/19/2016 00:44

Calibration ID: 33328

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	
Ethyl ether	BCM	Ave	++++ 91932	1012 125215	3012 249988	27754	63150	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Acrolein	BCM	Ave	++++ 28605	++++ 45467	++++ 90258	10753	25791	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Freon TF	BCM	Ave	++++ 578159	8959 794568	22117 1536992	189057	401013	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,1-Dichloroethene	BCM	Ave	++++ 244942	3511 339402	9419 659433	81196	171197	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Acetone	BCM	Ave	++++ 197852	++++ 243019	++++ 497919	72787	127984	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Carbon disulfide	BCM	Ave	++++ 614874	++++ 841210	++++ 1672184	197338	413400	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
Isopropyl alcohol	BCM	Ave	++++ 148395	++++ 202094	++++ 406523	54470	98999	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
3-Chloropropene	BCM	Ave	++++ 128608	++++ 193750	1820 362222	5109	34574	96655	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 65777	++++ 93799	++++ 187452	22466	47803	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Methylene Chloride	BCM	Ave	++++ 174149	++++ 242527	++++ 478322	7745	57890	122036	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 275940	++++ 376709	++++ 759872	97032	186913	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
trans-1,2-Dichloroethene	BCM	Ave	++++ 270793	++++ 377020	3458 737581	10199	88333	186767	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 537920	++++ 739259	7019 1488502	18941	167494	376704	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 82028	++++ 112666	++++ 237585	2324	23750	57117	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 196487	++++ 273235	2388 542133	6852	63099	133763	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	878 355929	4393 486995	12080 976039	111199	242959	0.0401	0.200 20.0	0.500 40.0	4.99	10.00	
Vinyl acetate	BCM	Ave	++++ 288663	++++ 399163	++++ 831398	80473	202472	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
cis-1,2-Dichloroethene	BCM	Ave	++++ 314452	++++ 439196	4165 869293	11198	102878	216611	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 84673	++++ 112428	++++ 236094	2638	27744	57123	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 13012	++++ 17896	++++ 37340	3955	9093	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Tetrahydrofuran	DFB	Ave	++++ 119422	++++ 161994	++++ 335333	38218	82541	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

Calibration End Date: 01/19/2016 00:44

Calibration ID: 33328

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	
Chloroform	BCM	Ave	++++ 677528	8990 943182	24338 1863762	221631	470663	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,1,1-Trichloroethane	DFB	Ave	++++ 809615	11103 1124791	30015 2186056	270062	567436	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Cyclohexane	DFB	Ave	++++ 309817	4335 427879	11623 857665	102451	214739	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Carbon tetrachloride	DFB	Ave	++++ 966035	2539 1377990	34970 2715654	210543	702040	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Benzene	DFB	Ave	++++ 818344	12449 1111423	30578 2275286	256737	570316	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
2,2,4-Trimethylpentane	DFB	Ave	++++ 881798	12470 1219569	34002 2429235	295622	620761	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,2-Dichloroethane	DFB	Ave	++++ 427160	5949 580562	14943 1195437	131112	296001	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
n-Heptane	DFB	Ave	++++ 278537	4016 382087	10852 758204	94176	196474	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
n-Butanol	DFB	Ave	++++ 92523	++++ 129077	++++ 260703	35032	64533	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Trichloroethene	DFB	Ave	++++ 609191	2007 869706	8899 1670616	23753	217013	433899	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 335438	4870 448444	12113 918270	104896	236885	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Methyl methacrylate	DFB	Ave	++++ 285487	++++ 377973	9163 758479	87017	201614	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
Dibromomethane	DFB	Ave	++++ 859817	13650 1202227	34685 2221333	308757	620623	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,4-Dioxane	DFB	Ave	++++ 171422	++++ 225154	++++ 431027	76679	120399	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Bromodichloromethane	DFB	Ave	++++ 1173229	14366 1558843	38593 3103692	363025	805282	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
cis-1,3-Dichloropropene	DFB	Ave	++++ 875199	10802 1174204	29735 2351885	277758	619469	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
methyl isobutyl ketone	DFB	Ave	++++ 604885	++++ 826562	22677 1683969	239140	438334	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
Toluene	CBZ	Ave	++++ 1247225	19195 1668883	46491 3262793	401635	898813	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
n-Octane	DFB	Ave	++++ 693286	11342 915461	28617 1703083	245384	500500	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
trans-1,3-Dichloropropene	DFB	Ave	++++ 929856	11249 1261433	30460 2550650	281266	671645	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,1,2-Trichloroethane	CBZ	Ave	++++ 616638	8709 830116	22697 1617326	203713	445432	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

Calibration End Date: 01/19/2016 00:44

Calibration ID: 33328

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	5258 1625923	23355 2208478	64594 4098328	572151	1164369	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 588161	++++ 813308	23660 1627200	233756	434825	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1879365	19076 2458742	52960 4743725	520594	1288391	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1447835	17911 1976581	48411 3843355	468033	1036839	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 1965423	27708 2642781	73998 5145174	647614	1413532	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 2630920	37772 3590616	97436 6731765	843532	1884775	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 769475	11878 1050154	31695 1789008	279493	564235	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2159205	32610 2926958	87036 5303910	720373	1573706	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1184048	16886 1612263	44564 3115199	378871	850402	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 1755731	18114 2283924	51668 4711594	564228	1225291	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1767577	13290 2077690	38452 4000111	370540	1138922	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3197966	44915 4398912	122811 8257399	1040022	2297975	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1513273	21888 2010181	59508 3751104	509954	1099314	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1056133	++++ 1395326	43197 2523176	356230	769537	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 3410967	48787 4428336	134559 8111121	1127060	2480448	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 2436704	36428 3076110	96446 5565470	825705	1746627	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 3025531	43539 3826174	119253 7065695	1004027	2188502	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 984862	++++ 1254850	39900 2183692	348823	719322	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2742340	37602 3715191	101306 6949675	868218	1996188	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1506584	++++ 14544 1974859	41493 3908314	432411	1071773	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 2765933	38539 3759750	105591 6747583	889640	2008527	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 99657

SDG No.: 200-31641-1

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/18/2016 17:54

Calibration End Date: 01/19/2016 00:44

Calibration ID: 33328

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2800117	37439 3636086	102889 6861429	869401	2052337	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 3886530	55002 5201323	150132 9318859	1274241	2876590	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 3197127	47169 4241635	131898 7332312	1093754	2399408	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 2119972	32164 2636164	87784 4788678	742783	1622094	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 2352399	32102 2953212	86826 5884201	765008	1750582	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 2081386	22089 2795719	67649 5620258	521827	1589140	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 2766806	38337 3659492	105487 6579644	913037	2029786	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 967945	++++ 1252678	++++ 2037955	341537	739441	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 2137500	32329 2809743	84481 4958294	730061	1580121	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 910182	++++ 1137859	++++ 1785995	239786	660288	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1572798	++++ 1956464	60219 4389895	481304	1195342	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1515319	23072 2006556	64584 3156736	527827	1172241	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 2976237	++++ 3465944	129034 9246589	1015649	2300941	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1512769	19759 2039636	61998 4083878	459959	1130258	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_03.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 18-Jan-2016 17:54:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-003
 Misc. Info.: ic-01
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 10:55:31 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:39:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.752	2.747	0.005	68	1360	0.0401	0.2121	
2 Dichlorodifluoromethane	85	2.816	2.811	0.005	98	2960	0.0401	0.0516	
3 Chlorodifluoromethane	51	2.854	2.854	0.000	92	910	0.0401	0.0449	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	80	2327	0.0401	0.0468	
5 Chloromethane	50	3.185	3.180	0.005	20	879	0.0401	0.0866	
6 Butane	43	3.383	3.384	-0.001	88	717	0.0401	0.0554	
7 Vinyl chloride	62	3.421	3.410	0.011	89	673	0.0401	0.0468	M
8 Butadiene	54	3.501	3.491	0.010	1	196	0.0401	0.0243	
10 Bromomethane	94	4.138	4.133	0.005	85	1032	0.0401	0.0495	
11 Chloroethane	64	4.378	4.368	0.010	1	166	0.0401	0.0324	
12 2-Methylbutane	43	4.469	4.470	-0.001	24	700	0.0401	0.0808	
13 Vinyl bromide	106	4.764	4.753	0.011	91	1081	0.0401	0.0486	
14 Trichlorofluoromethane	101	4.881	4.876	0.005	92	2892	0.0401	0.0477	
16 Pentane	43	5.036	5.037	-0.001	30	620	0.0401	0.0520	
17 Ethanol	45	5.486	5.443	0.043	1	127	0.0802	0.0413	
18 Ethyl ether	59		5.556				ND	ND	
19 Acrolein	56		5.882				ND	ND	
20 1,1,2-Trichloro-1,2,2-trif	101	5.983	5.978	0.005	88	1894	0.0401	0.0489	
21 1,1-Dichloroethene	96	5.983	5.989	-0.006	71	780	0.0401	0.0478	
22 Acetone	43	6.240	6.203	0.037	97	3507	0.0401	0.2816	
23 Carbon disulfide	76	6.363	6.363	0.000	98	1705	0.0401	0.0434	
24 Isopropyl alcohol	45	6.615	6.545	0.070	1	461	0.0401	0.0474	
25 3-Chloro-1-propene	41	6.775	6.770	0.005	1	108	0.0401	0.0126	
26 Acetonitrile	41		6.845				ND	ND	
27 Methylene Chloride	49	7.053	7.059	-0.006	79	1541	0.0401	0.1301	
28 2-Methyl-2-propanol	59		7.337				ND	ND	
31 trans-1,2-Dichloroethene	61	7.535	7.524	0.011	1	413	0.0401	0.0234	
29 Methyl tert-butyl ether	73	7.599	7.530	0.069	84	956	0.0401	0.0276	
32 Acrylonitrile	53		7.621				ND	ND	
33 Hexane	57	7.968	7.974	-0.006	21	347	0.0401	0.0277	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.385	8.386	-0.001	1	878	0.0401	0.0392	
35 Vinyl acetate	43		8.493				ND	ND	
37 cis-1,2-Dichloroethene	96	9.487	9.493	-0.006	49	839	0.0401	0.0410	
38 2-Butanone (MEK)	72		9.546				ND	ND	
39 Ethyl acetate	88		9.632				ND	ND	
S 30 1,2-Dichloroethene, Total	61				0		0.0802	0.0644	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	65	220285	10.0	10.0	
41 Tetrahydrofuran	42		9.990				ND	ND	
42 Chloroform	83	10.092	10.092	0.000	93	1874	0.0401	0.0424	
44 1,1,1-Trichloroethane	97	10.370	10.376	-0.006	86	1956	0.0401	0.0329	
43 Cyclohexane	84	10.386	10.386	0.000	1	400	0.0401	0.0175	
45 Carbon tetrachloride	117	10.648	10.638	0.010	57	2539	0.0401	0.0381	
47 Benzene	78	11.071	11.076	-0.005	84	2980	0.0401	0.0493	
46 Isooctane	57		11.130				ND	ND	
48 1,2-Dichloroethane	62		11.232				ND	ND	
49 n-Heptane	43	11.531	11.531	0.000	74	583	0.0401	0.0280	
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1306176	10.0	10.0	
52 n-Butanol	56		12.339				ND	ND	
53 Trichloroethene	95	12.382	12.387	-0.005	91	2007	0.0401	0.0428	
A 51 GRO	1	12.810	(4.460-21.160)		0	760416	0.0401	0	
54 1,2-Dichloropropane	63		12.901				ND	ND	
55 Methyl methacrylate	69		13.125				ND	ND	
57 Dibromomethane	174	13.152	13.147	0.005	87	3223	0.0401	0.0487	
56 1,4-Dioxane	88	13.243	13.158	0.085	61	609	0.0401	0.0460	
58 Dichlorobromomethane	83	13.468	13.462	0.006	91	1540	0.0401	0.0189	
60 cis-1,3-Dichloropropene	75	14.447	14.441	0.006	82	1655	0.0401	0.0268	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	823142	0.0401	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.816	14.762	0.054	1	939	0.0401	0.0201	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	10839	NC	NC	
65 Toluene	92	15.089	15.078	0.011	51	2443	0.0401	0.0280	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	10418	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	84	2351	0.0401	0.0444	
66 trans-1,3-Dichloropropene	75	15.682	15.683	-0.001	87	1616	0.0401	0.0248	
67 1,1,2-Trichloroethane	83	16.052	16.052	0.000	23	1026	0.0401	0.0240	
68 Tetrachloroethene	166	16.239	16.228	0.011	67	5258	0.0401	0.0450	M
69 2-Hexanone	43	16.592	16.560	0.032	1	250	0.0401	0.005749	
71 Chlorodibromomethane	129	16.838	16.843	-0.005	92	3718	0.0401	0.0324	
72 Ethylene Dibromide	107	17.105	17.106	-0.001	96	3128	0.0401	0.0322	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	1980684	10.0	10.0	
75 Chlorobenzene	112	18.122	18.117	0.005	92	5300	0.0401	0.0388	
76 Ethylbenzene	91	18.304	18.304	0.000	94	6836	0.0401	0.0376	
77 n-Nonane	57	18.518	18.513	0.005	70	2140	0.0401	0.0387	
78 m-Xylene & p-Xylene	106	18.555	18.561	-0.006	0	5682	0.0802	0.0744	
79 o-Xylene	106	19.406	19.401	0.005	94	2652	0.0401	0.0323	
80 Styrene	104	19.454	19.449	0.005	82	2936	0.0401	0.0262	
S 73 Xylenes, Total	106				0		0.1203	0.1067	
81 Bromoform	173	19.861	19.861	-0.001	84	2072	0.0401	0.0222	
82 Isopropylbenzene	105	20.144	20.144	0.000	93	7939	0.0401	0.0357	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	95	1177535	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	94	3573	0.0401	0.0338	
86 1,2,3-Trichloropropane	75	20.877	20.882	-0.005	92	2778	0.0401	0.0377	
85 N-Propylbenzene	91	20.904	20.909	-0.005	98	7468	0.0401	0.0317	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	6358	0.0401	0.0377	
88 4-Ethyltoluene	105	21.107	21.107	0.000	91	6175	0.0401	0.0297	
87 n-Decane	57	21.150	21.150	0.000	78	2148	0.0401	0.0315	
90 1,3,5-Trimethylbenzene	105	21.219	21.220	-0.001	92	5911	0.0401	0.0315	
91 Alpha Methyl Styrene	118	21.588	21.589	-0.001	88	1780	0.0401	0.0192	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	6043	0.0401	0.0318	
93 1,2,4-Trimethylbenzene	105	21.818	21.819	-0.001	94	5352	0.0401	0.0284	
94 sec-Butylbenzene	105	22.054	22.059	-0.005	98	8784	0.0401	0.0327	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	94	5106	0.0401	0.0226	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	90	4773	0.0401	0.0319	
97 1,4-Dichlorobenzene	146	22.412	22.407	0.005	94	4536	0.0401	0.0283	
98 Benzyl chloride	91	22.600	22.594	0.006	94	2550	0.0401	0.0192	
100 n-Butylbenzene	91	22.840	22.835	0.005	97	4765	0.0401	0.0251	
99 Undecane	57	22.910	22.905	0.005	53	1653	0.0401	0.0254	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	93	4358	0.0401	0.0291	
102 Dodecane	57	24.435	24.435	-0.001	83	1355	0.0401	0.0243	
103 1,2,4-Trichlorobenzene	180	25.328	25.323	0.005	88	2378	0.0401	0.0219	
104 Hexachlorobutadiene	225	25.537	25.537	0.000	88	2761	0.0401	0.0256	
105 Naphthalene	128	25.767	25.761	0.006	97	4539	0.0401	0.0209	
106 1,2,3-Trichlorobenzene	180	26.216	26.211	0.005	86	2579	0.0401	0.0245	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00151

Amount Added: 40.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_03.D

Injection Date: 18-Jan-2016 17:54:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

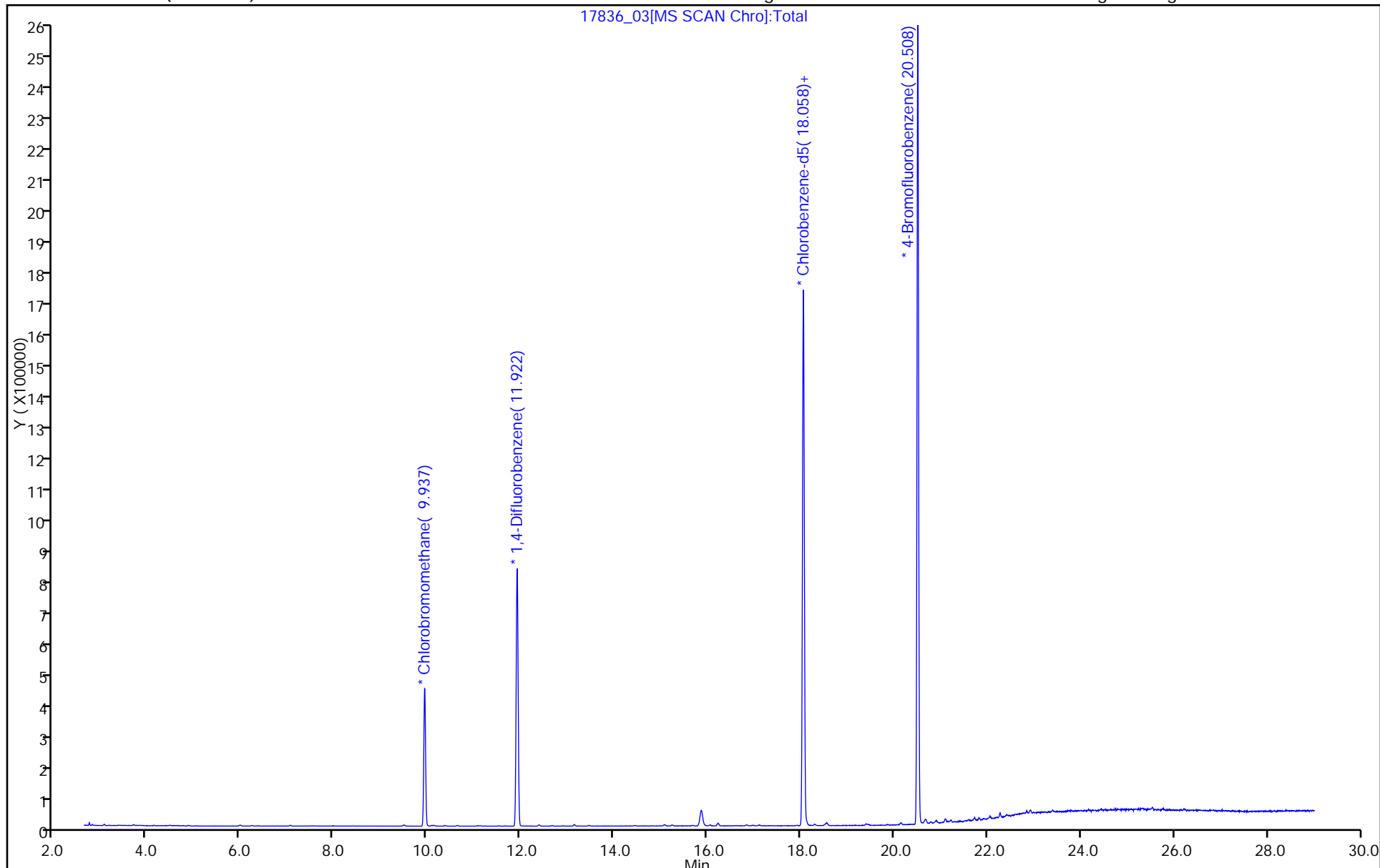
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



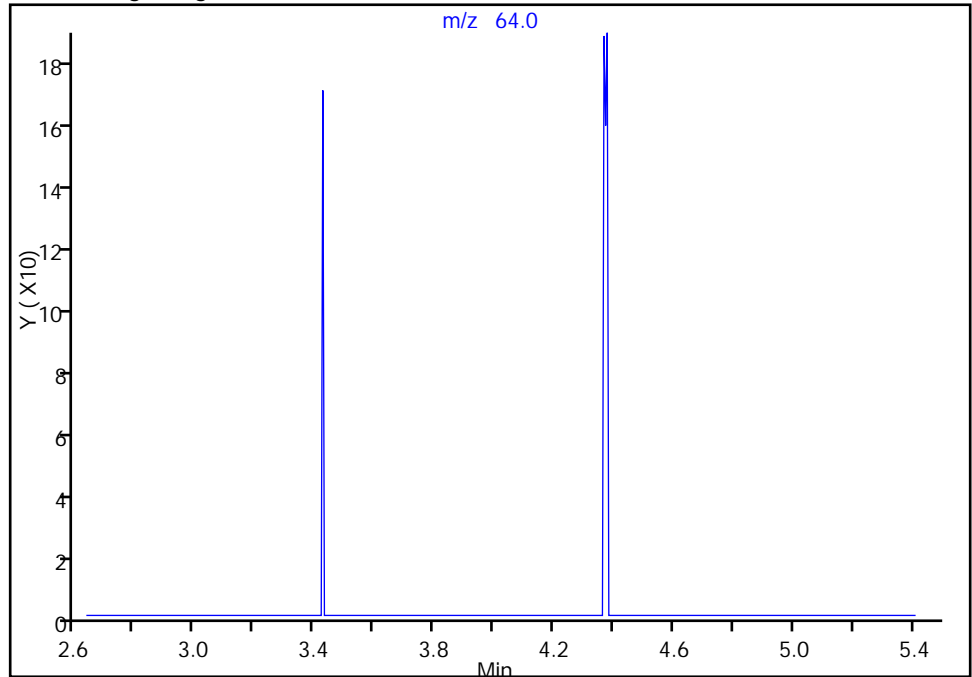
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_03.D
Injection Date: 18-Jan-2016 17:54:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4

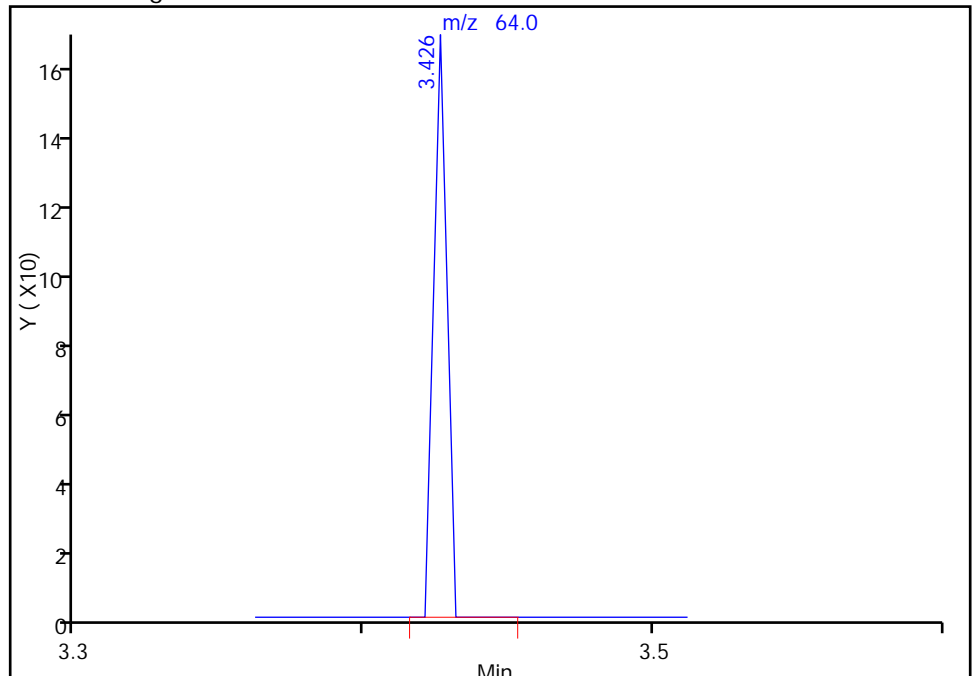
RT: 3.41
Area: 0
Amount: 0.046771
Amount Units: ppb v/v

Processing Integration Results



RT: 3.43
Area: 53
Amount: 0.046771
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 10:32:09
Audit Action: Manually Integrated
Audit Reason: Baseline

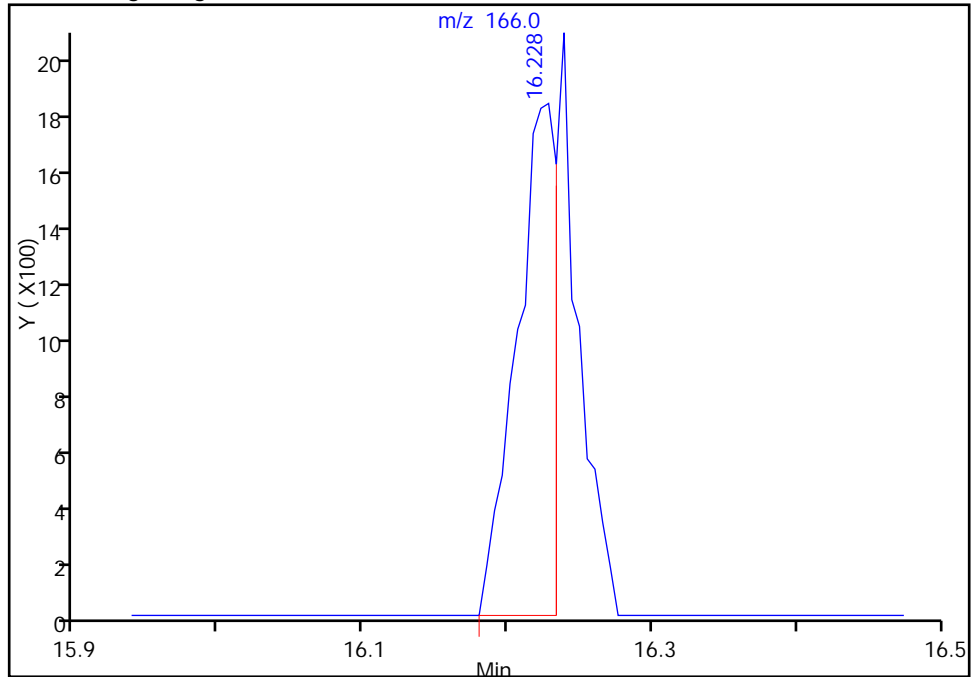
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_03.D
Injection Date: 18-Jan-2016 17:54:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

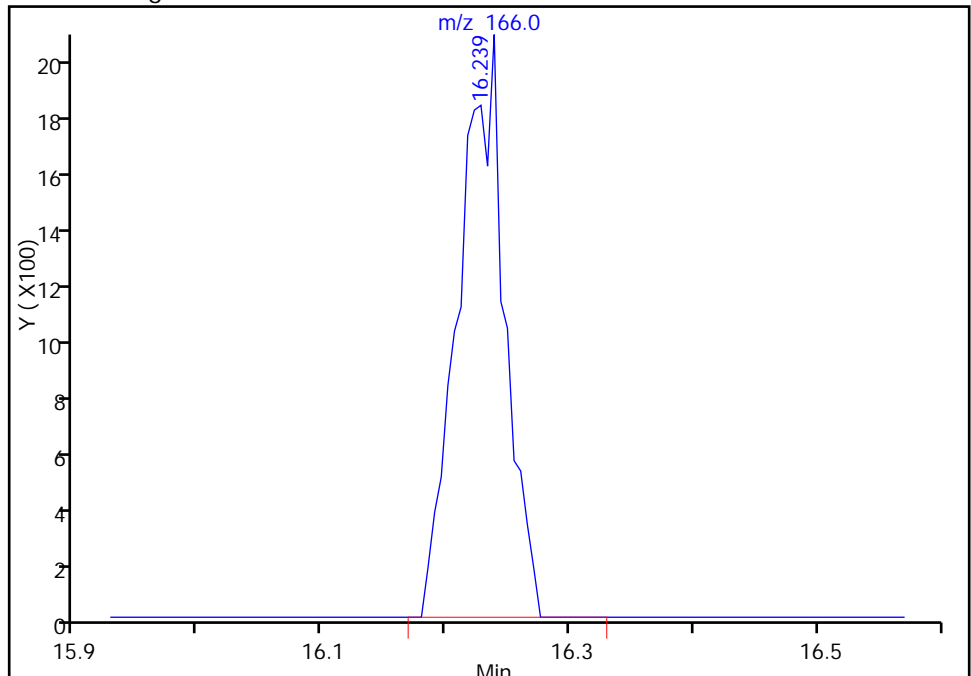
Processing Integration Results

RT: 16.23
Area: 3435
Amount: 0.033448
Amount Units: ppb v/v



Manual Integration Results

RT: 16.24
Area: 5258
Amount: 0.044967
Amount Units: ppb v/v



Reviewer: daiglep, 19-Jan-2016 08:39:46
Audit Action: Manually Integrated
Audit Reason: Baseline

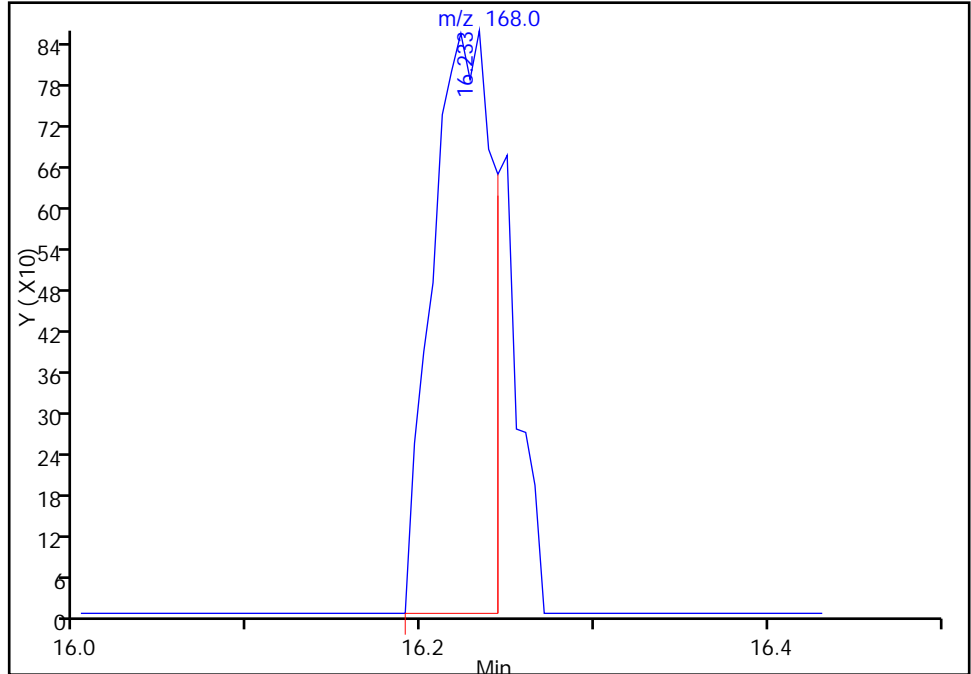
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_03.D
Injection Date: 18-Jan-2016 17:54:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

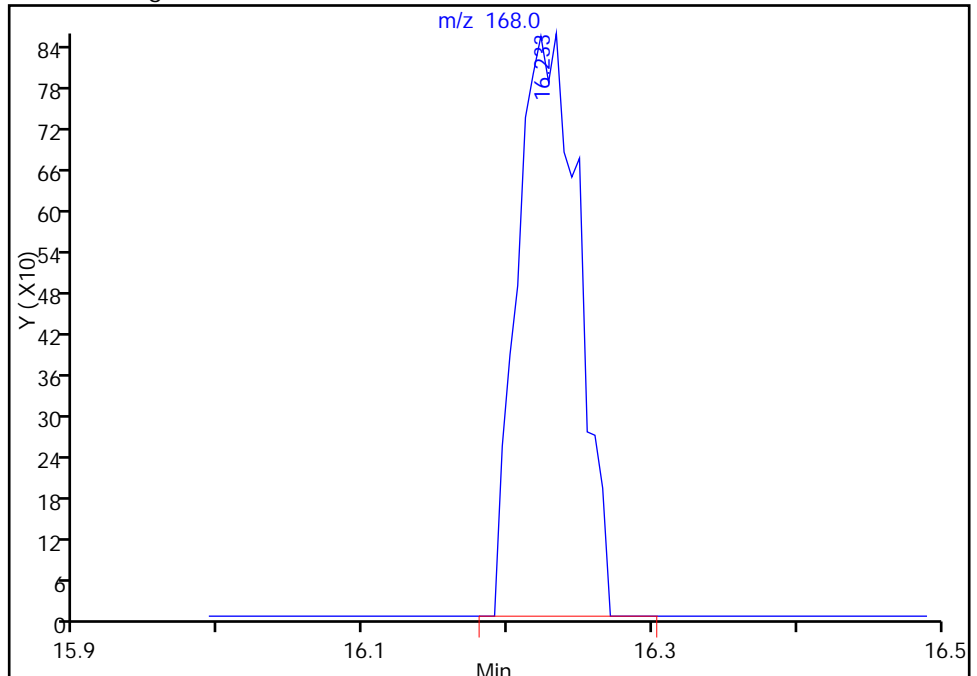
RT: 16.23
Area: 2086
Amount: 0.033448
Amount Units: ppb v/v

Processing Integration Results



RT: 16.23
Area: 2537
Amount: 0.044967
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:39:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 18-Jan-2016 18:45:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-004
 Misc. Info.: ic-02
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:03 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 11:02:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.747	2.747	0.000	90	2685	0.2004	0.4155	
2 Dichlorodifluoromethane	85	2.811	2.811	0.000	99	12084	0.2004	0.2088	
3 Chlorodifluoromethane	51	2.859	2.854	0.005	95	5048	0.2004	0.2470	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	86	10946	0.2004	0.2182	
5 Chloromethane	50	3.186	3.180	0.006	95	2782	0.2004	0.2719	
6 Butane	43	3.384	3.384	0.000	90	3062	0.2004	0.2349	
7 Vinyl chloride	62	3.416	3.410	0.006	96	3164	0.2004	0.2182	
8 Butadiene	54	3.496	3.491	0.005	89	1663	0.2004	0.2049	
10 Bromomethane	94	4.138	4.133	0.005	95	4369	0.2004	0.2078	
11 Chloroethane	64	4.384	4.368	0.016	93	1099	0.2004	0.2129	
12 2-Methylbutane	43	4.470	4.470	0.000	84	2232	0.2004	0.2555	
13 Vinyl bromide	106	4.758	4.753	0.005	97	4588	0.2004	0.2048	
14 Trichlorofluoromethane	101	4.881	4.876	0.005	97	13739	0.2004	0.2247	
16 Pentane	43	5.037	5.037	0.000	96	2884	0.2004	0.2402	
17 Ethanol	45	5.475	5.443	0.032	92	1925	0.4009	0.6210	
18 Ethyl ether	59	5.593	5.556	0.037	97	1012	0.2004	0.1773	
19 Acrolein	56	5.903	5.882	0.021	13	810	0.2004	0.3777	
20 1,1,2-Trichloro-1,2,2-trif	101	5.984	5.978	0.006	94	8959	0.2004	0.2296	
21 1,1-Dichloroethene	96	5.984	5.989	-0.005	90	3511	0.2004	0.2136	
22 Acetone	43	6.224	6.203	0.021	97	13284	0.2004	1.06	
23 Carbon disulfide	76	6.363	6.363	0.000	99	7778	0.2004	0.1966	
24 Isopropyl alcohol	45	6.588	6.545	0.043	96	2189	0.2004	0.2233	
25 3-Chloro-1-propene	41	6.775	6.770	0.005	80	1820	0.2004	0.2101	M
26 Acetonitrile	41	6.856	6.845	0.011	57	1081	0.2004	0.2445	M
27 Methylene Chloride	49	7.059	7.059	0.000	78	3319	0.2004	0.2779	
28 2-Methyl-2-propanol	59	7.385	7.337	0.048	92	3057	0.2004	0.1686	M
31 trans-1,2-Dichloroethene	61	7.535	7.524	0.011	87	3458	0.2004	0.1946	M
29 Methyl tert-butyl ether	73	7.572	7.530	0.042	91	7019	0.2004	0.2011	
32 Acrylonitrile	53	7.626	7.621	0.005	68	866	0.2004	0.1694	M
33 Hexane	57	7.963	7.974	-0.011	88	2388	0.2004	0.1891	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.380	8.386	-0.006	97	4393	0.2004	0.1944	
35 Vinyl acetate	43	8.503	8.493	0.010	98	3016	0.2004	0.1638	
37 cis-1,2-Dichloroethene	96	9.493	9.493	0.000	72	4165	0.2004	0.2019	M
38 2-Butanone (MEK)	72	9.573	9.546	0.027	95	1393	0.2004	0.2593	
39 Ethyl acetate	88		9.632				ND	ND	
S 30 1,2-Dichloroethene, Total	61				0		0.4009	0.3965	
* 40 Chlorobromomethane	128	9.937	9.942	-0.005	65	222032	10.0	10.0	
41 Tetrahydrofuran	42	10.023	9.990	0.033	61	1490	0.2004	0.1767	M
42 Chloroform	83	10.092	10.092	0.000	93	8990	0.2004	0.2019	
44 1,1,1-Trichloroethane	97	10.376	10.376	0.000	95	11103	0.2004	0.1916	
43 Cyclohexane	84	10.381	10.386	-0.005	56	4335	0.2004	0.1947	M
45 Carbon tetrachloride	117	10.638	10.638	0.000	98	12437	0.2004	0.1915	
47 Benzene	78	11.071	11.076	-0.005	92	12449	0.2004	0.2113	
46 Isooctane	57	11.125	11.130	-0.005	98	12470	0.2004	0.1949	
48 1,2-Dichloroethane	62	11.232	11.232	0.000	97	5949	0.2004	0.1985	
49 n-Heptane	43	11.531	11.531	0.000	78	4016	0.2004	0.1980	M
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1272825	10.0	10.0	
52 n-Butanol	56	12.387	12.339	0.048	31	1836	0.2004	0.2679	
53 Trichloroethene	95	12.392	12.387	0.005	94	8899	0.2004	0.1950	
A 51 GRO	1	12.810	(4.460-21.160)		0	3821350	0.2004	0	
54 1,2-Dichloropropane	63	12.901	12.901	0.000	88	4870	0.2004	0.2047	M
55 Methyl methacrylate	69	13.147	13.125	0.022	65	3218	0.2004	0.1644	
57 Dibromomethane	174	13.152	13.147	0.005	88	13650	0.2004	0.2117	
56 1,4-Dioxane	88	13.211	13.158	0.053	67	3729	0.2004	0.2891	M
58 Dichlorobromomethane	83	13.457	13.462	-0.005	96	14366	0.2004	0.1811	
60 cis-1,3-Dichloropropene	75	14.441	14.441	0.000	86	10802	0.2004	0.1793	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	5110710	0.2004	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.789	14.762	0.027	89	7428	0.2004	0.1631	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	66910	NC	NC	
65 Toluene	92	15.083	15.078	0.005	94	19195	0.2004	0.2203	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	53125	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	82	11342	0.2004	0.2200	M
66 trans-1,3-Dichloropropene	75	15.677	15.683	-0.006	91	11249	0.2004	0.1772	
67 1,1,2-Trichloroethane	83	16.057	16.052	0.005	92	8709	0.2004	0.2041	
68 Tetrachloroethene	166	16.223	16.228	-0.005	96	23355	0.2004	0.2000	
69 2-Hexanone	43	16.581	16.560	0.021	97	7792	0.2004	0.1794	
71 Chlorodibromomethane	129	16.838	16.843	-0.005	97	19076	0.2004	0.1662	
72 Ethylene Dibromide	107	17.106	17.106	0.000	100	17911	0.2004	0.1848	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	1978123	10.0	10.0	
75 Chlorobenzene	112	18.117	18.117	0.000	95	27708	0.2004	0.2034	
76 Ethylbenzene	91	18.304	18.304	0.000	96	37772	0.2004	0.2082	
77 n-Nonane	57	18.518	18.513	0.005	80	11878	0.2004	0.2151	
78 m-Xylene & p-Xylene	106	18.561	18.561	0.000	0	32610	0.4009	0.4278	
79 o-Xylene	106	19.401	19.401	0.000	94	16886	0.2004	0.2059	
80 Styrene	104	19.449	19.449	0.000	95	18114	0.2004	0.1621	
S 73 Xylenes, Total	106				0		0.6013	0.6336	
81 Bromoform	173	19.861	19.861	0.000	98	13290	0.2004	0.1426	
82 Isopropylbenzene	105	20.139	20.144	-0.005	94	44915	0.2004	0.2022	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	95	1189652	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	21888	0.2004	0.2071	
86 1,2,3-Trichloropropane	75	20.882	20.882	0.000	95	17577	0.2004	0.2391	
85 N-Propylbenzene	91	20.904	20.909	-0.005	99	48787	0.2004	0.2073	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	36428	0.2004	0.2165	M
88 4-Ethyltoluene	105	21.107	21.107	0.000	98	43539	0.2004	0.2096	
87 n-Decane	57	21.150	21.150	0.000	91	14880	0.2004	0.2187	
90 1,3,5-Trimethylbenzene	105	21.214	21.220	-0.006	94	37602	0.2004	0.2006	
91 Alpha Methyl Styrene	118	21.589	21.589	0.000	92	14544	0.2004	0.1571	
92 tert-Butylbenzene	119	21.722	21.722	0.000	95	38539	0.2004	0.2028	
93 1,2,4-Trimethylbenzene	105	21.813	21.819	-0.006	95	37439	0.2004	0.1989	
94 sec-Butylbenzene	105	22.059	22.059	0.000	99	55002	0.2004	0.2048	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	97	47169	0.2004	0.2094	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	93	32164	0.2004	0.2150	
97 1,4-Dichlorobenzene	146	22.407	22.407	0.000	97	32102	0.2004	0.2008	
98 Benzyl chloride	91	22.594	22.594	0.000	99	22089	0.2004	0.1666	
100 n-Butylbenzene	91	22.835	22.835	0.000	97	38337	0.2004	0.2021	
99 Undecane	57	22.905	22.905	0.000	90	15373	0.2004	0.2364	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	99	32329	0.2004	0.2159	
102 Dodecane	57	24.435	24.435	0.000	94	12728	0.2004	0.2286	
103 1,2,4-Trichlorobenzene	180	25.328	25.323	0.005	94	18097	0.2004	0.1669	
104 Hexachlorobutadiene	225	25.537	25.537	0.000	97	23072	0.2004	0.2144	
105 Naphthalene	128	25.761	25.761	0.000	99	38302	0.2004	0.1770	
106 1,2,3-Trichlorobenzene	180	26.211	26.211	0.000	95	19759	0.2004	0.1883	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00151

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D

Injection Date: 18-Jan-2016 18:45:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

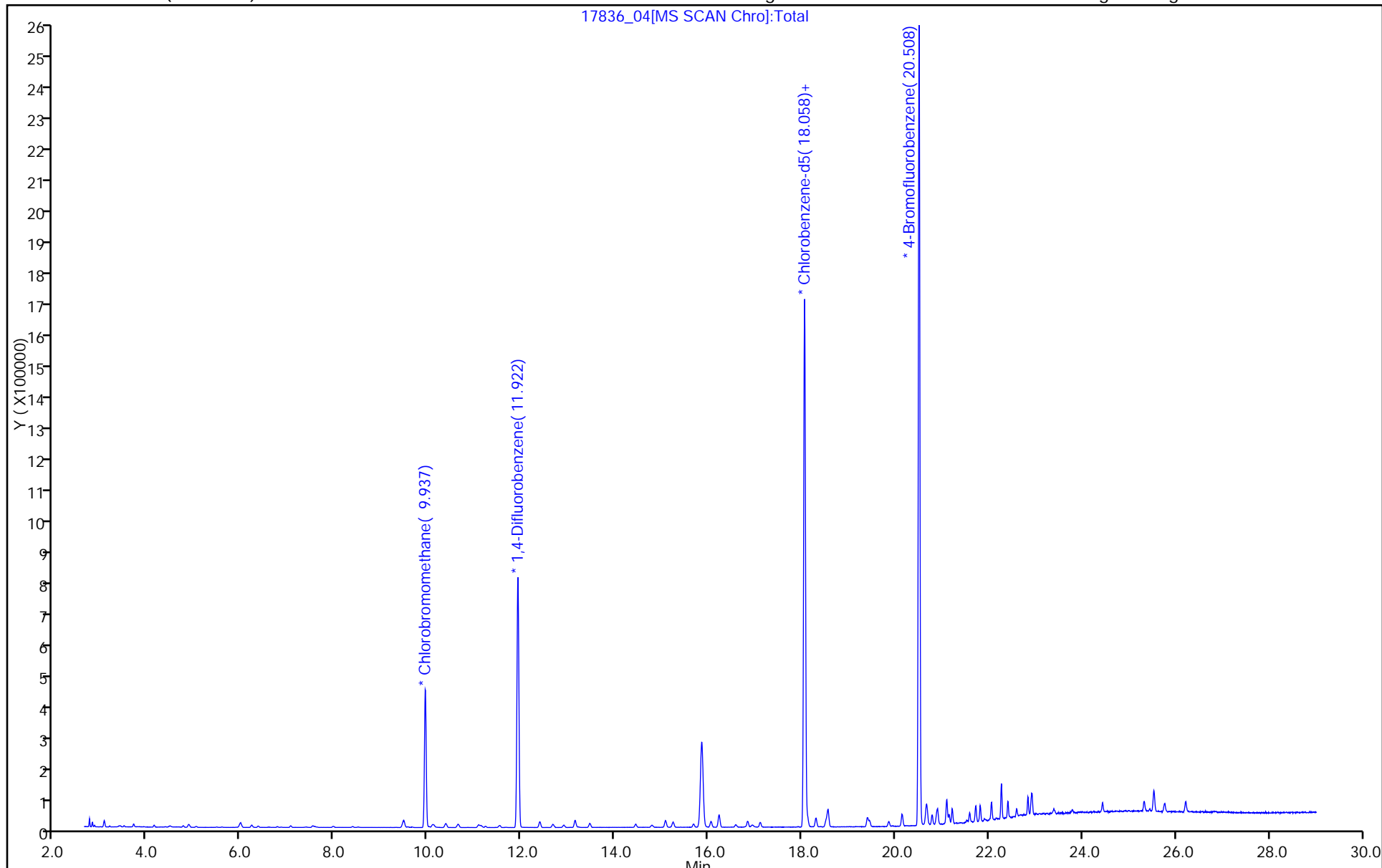
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



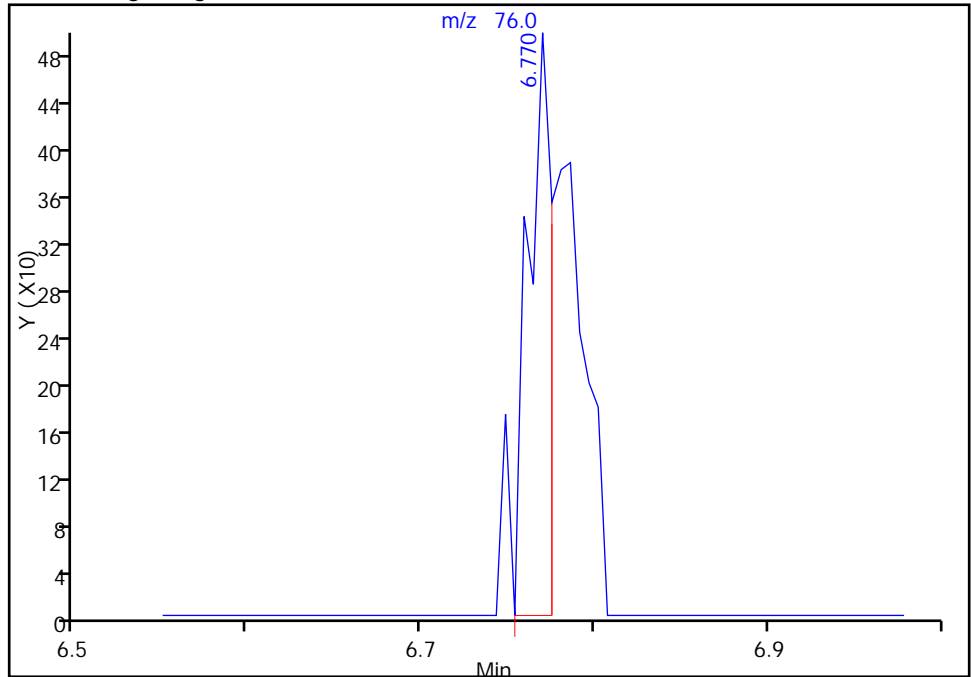
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

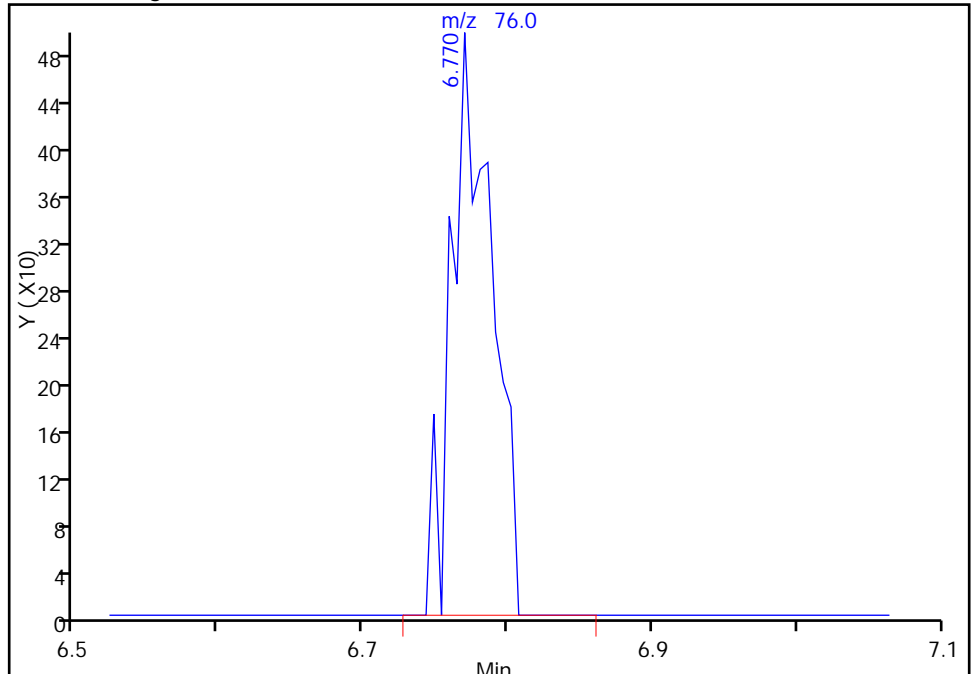
RT: 6.77
Area: 473
Amount: 0.210052
Amount Units: ppb v/v

Processing Integration Results



RT: 6.77
Area: 974
Amount: 0.210052
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 10:34:14
Audit Action: Manually Integrated
Audit Reason: Baseline

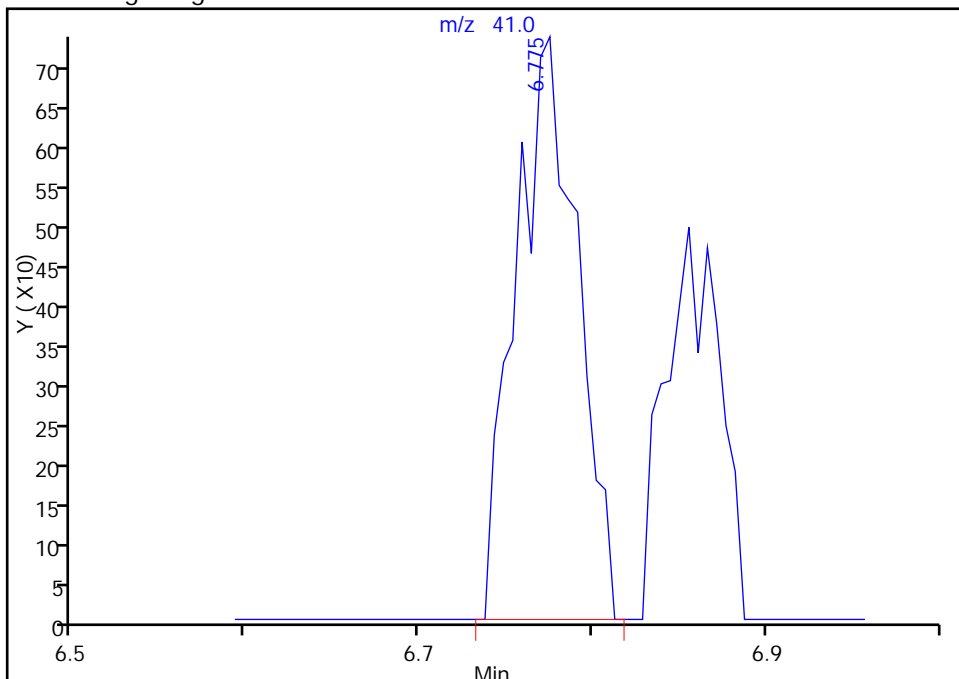
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

26 Acetonitrile, CAS: 75-05-8

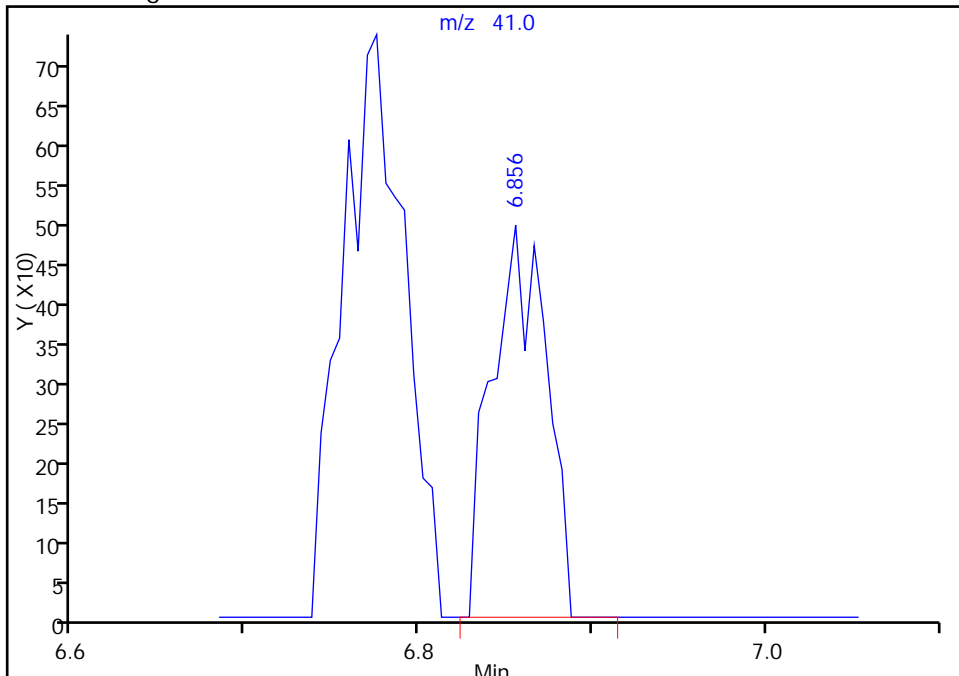
RT: 6.78
Area: 1820
Amount: 0.419423
Amount Units: ppb v/v

Processing Integration Results



RT: 6.86
Area: 1081
Amount: 0.244469
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Wrong peak

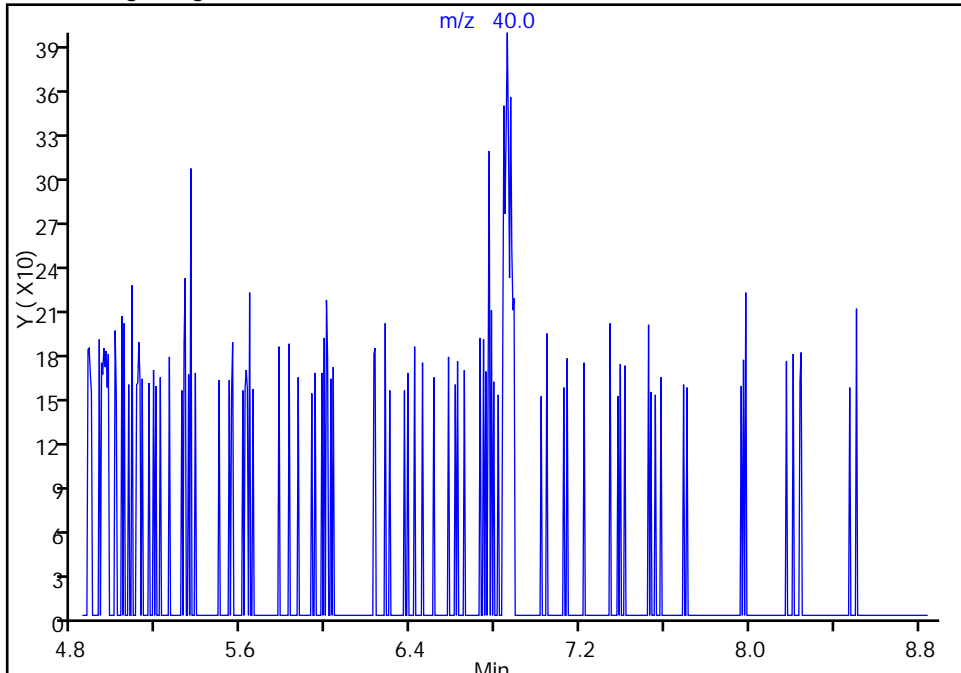
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

26 Acetonitrile, CAS: 75-05-8

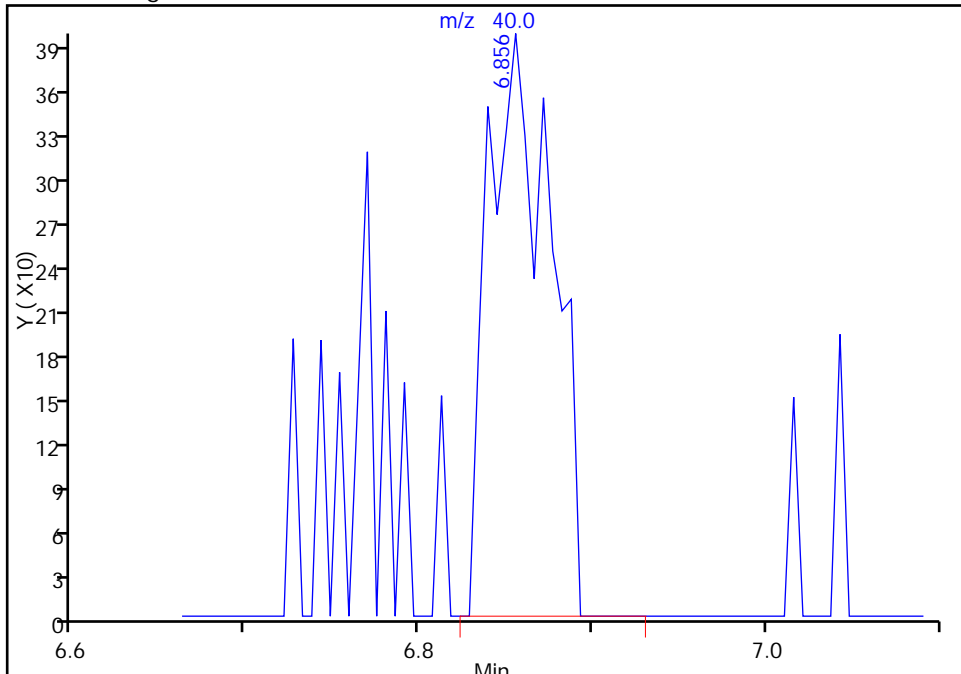
RT: 6.84
Area: 0
Amount: 0.419423
Amount Units: ppb v/v

Processing Integration Results



RT: 6.86
Area: 1005
Amount: 0.244469
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Wrong peak

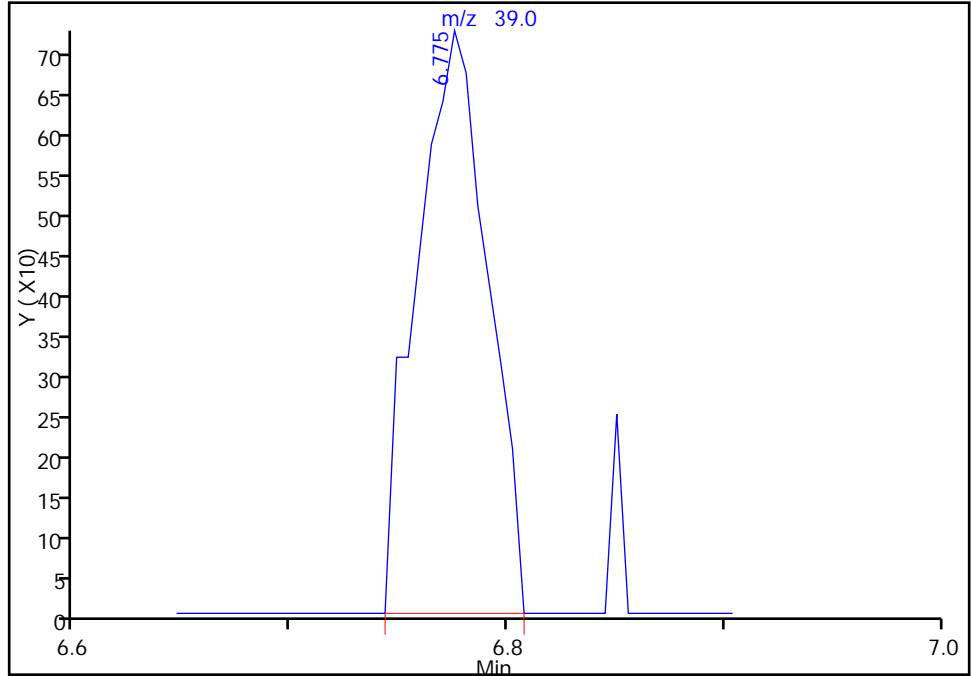
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

26 Acetonitrile, CAS: 75-05-8

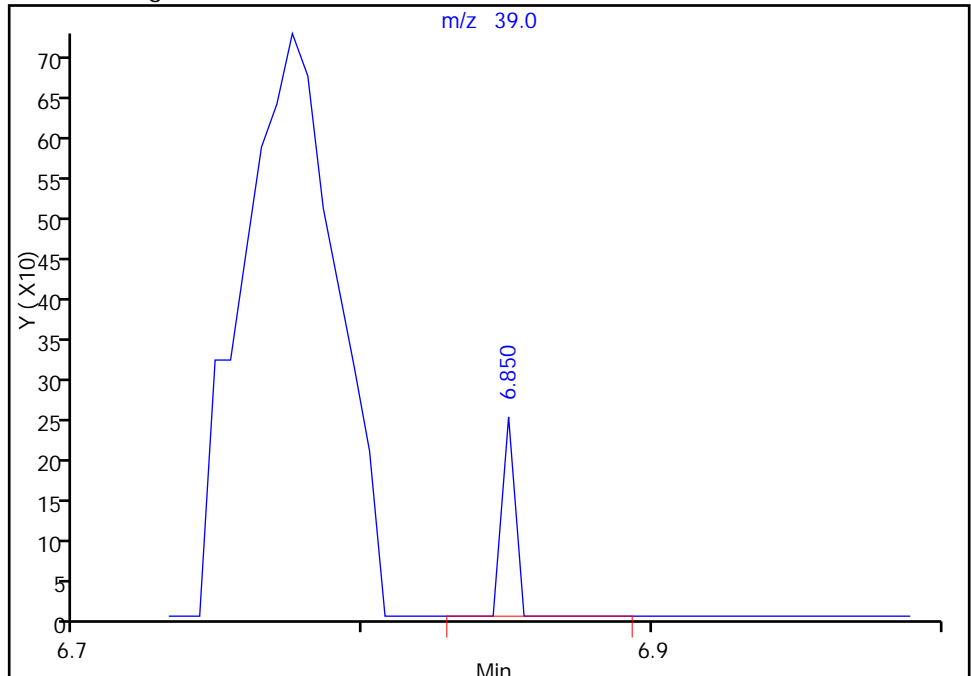
RT: 6.78
Area: 1657
Amount: 0.419423
Amount Units: ppb v/v

Processing Integration Results



RT: 6.85
Area: 80
Amount: 0.244469
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Wrong peak

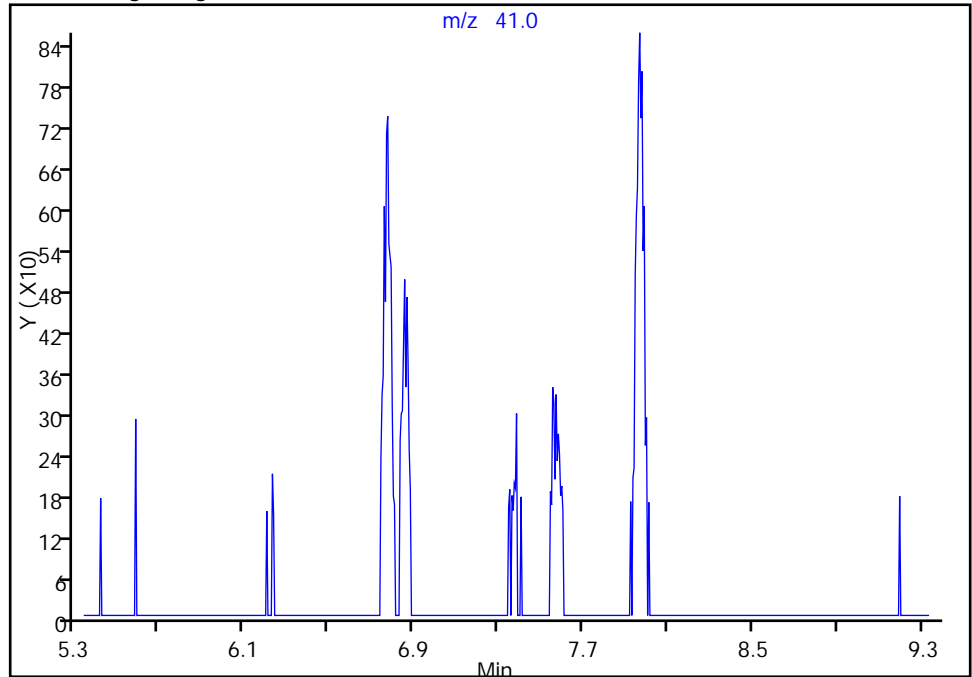
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

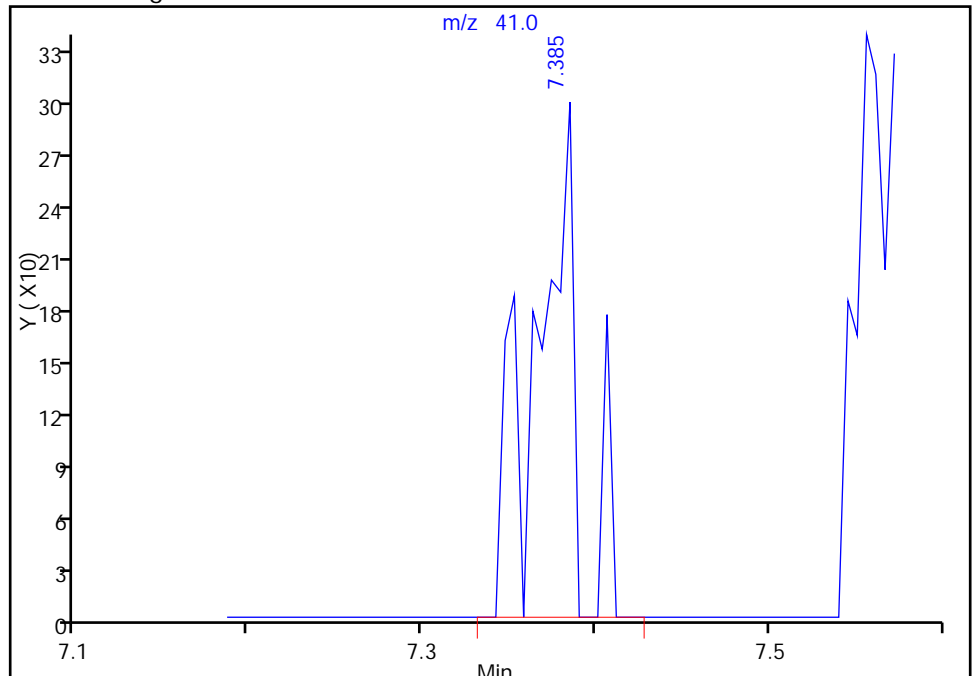
RT: 7.34
Area: 0
Amount: 0.174417
Amount Units: ppb v/v

Processing Integration Results



RT: 7.39
Area: 492
Amount: 0.168649
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Wrong peak

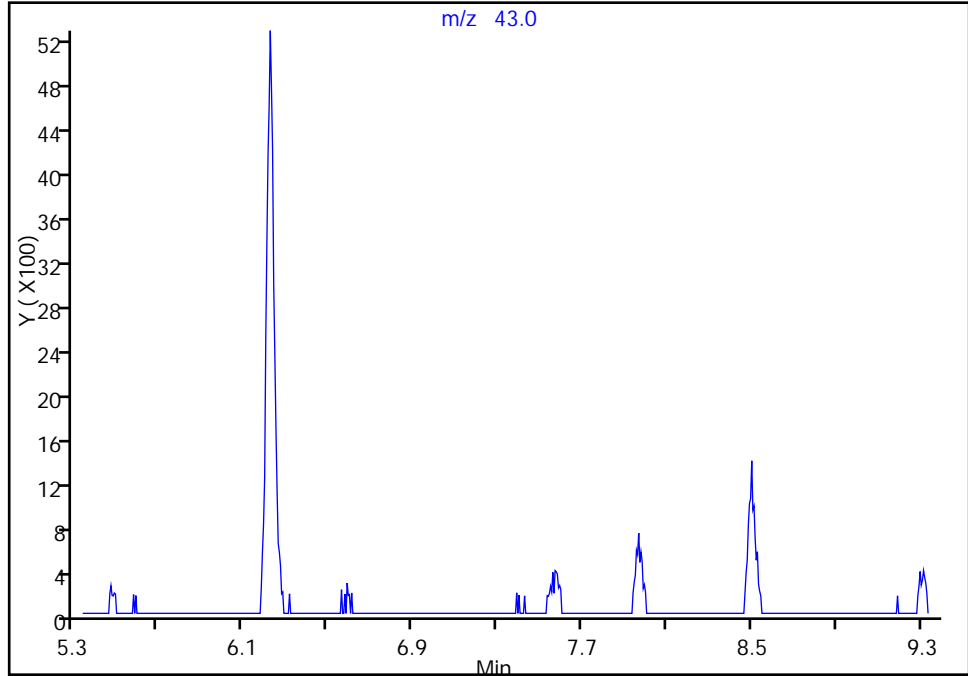
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

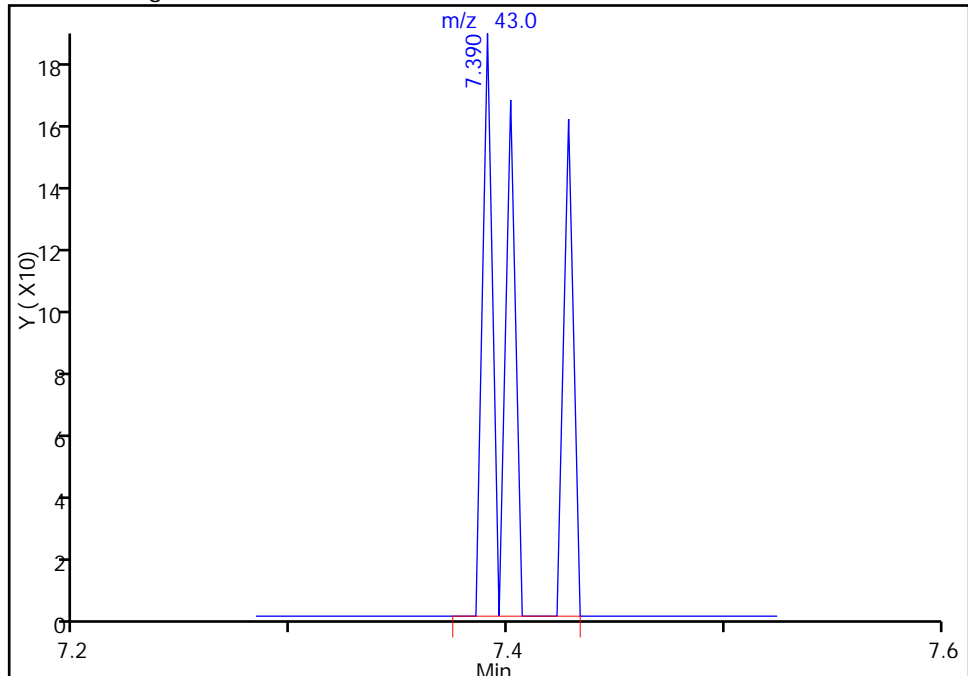
RT: 7.34
Area: 0
Amount: 0.174417
Amount Units: ppb v/v

Processing Integration Results



RT: 7.39
Area: 162
Amount: 0.168649
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Wrong peak

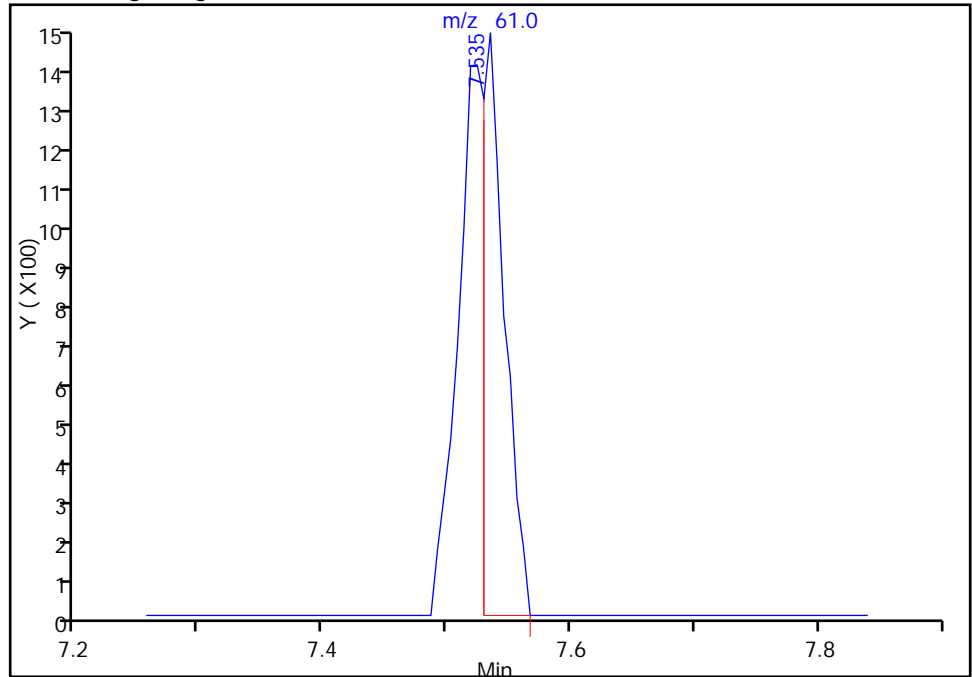
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

31 trans-1,2-Dichloroethene, CAS: 156-60-5

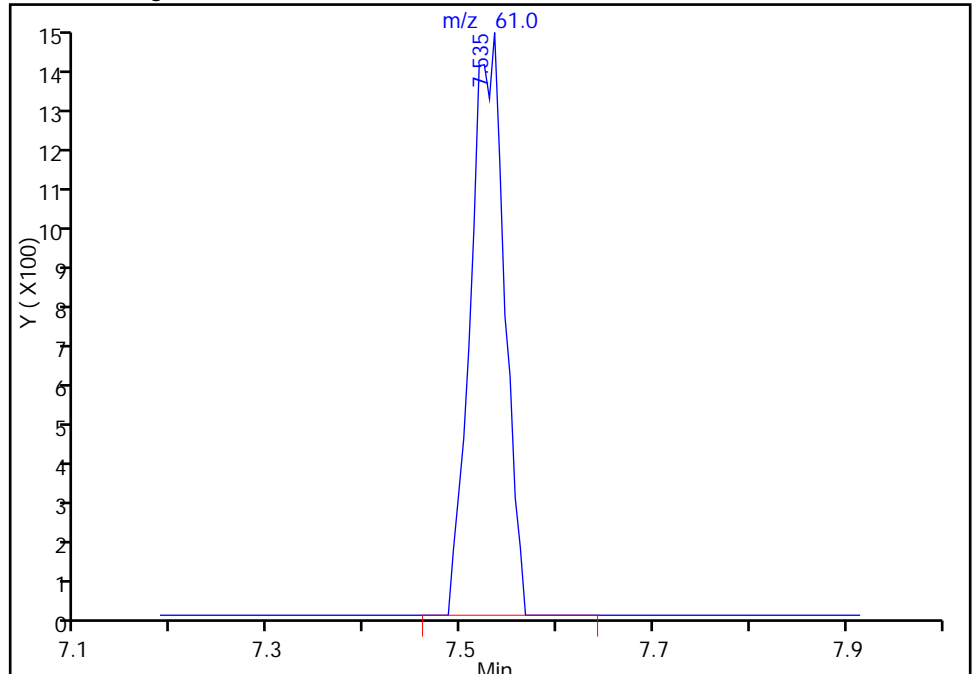
RT: 7.53
Area: 1791
Amount: 0.114463
Amount Units: ppb v/v

Processing Integration Results



RT: 7.53
Area: 3458
Amount: 0.194552
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

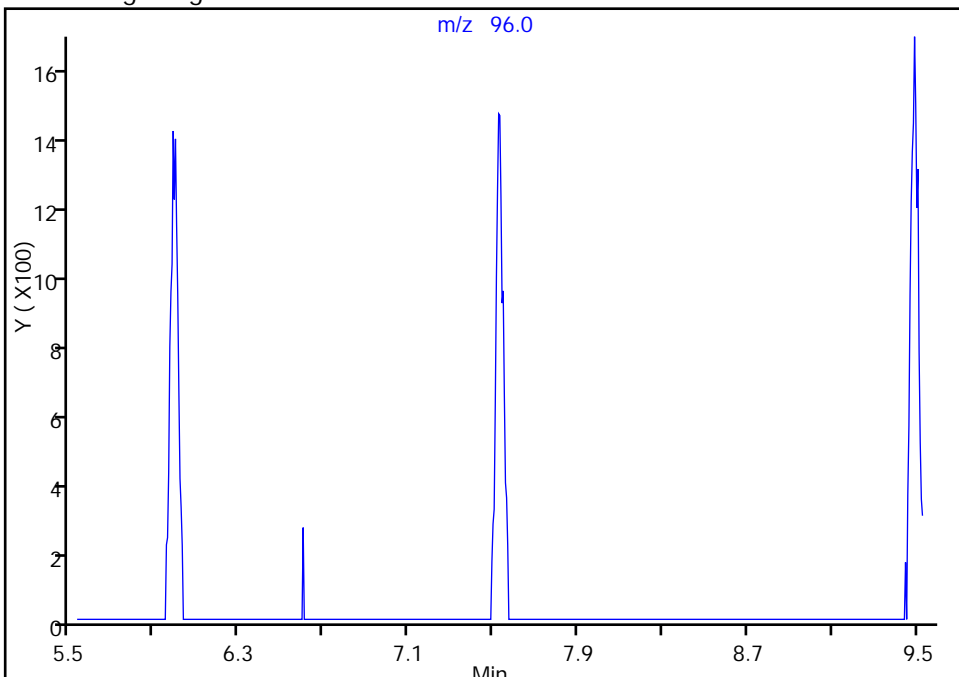
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

31 trans-1,2-Dichloroethene, CAS: 156-60-5

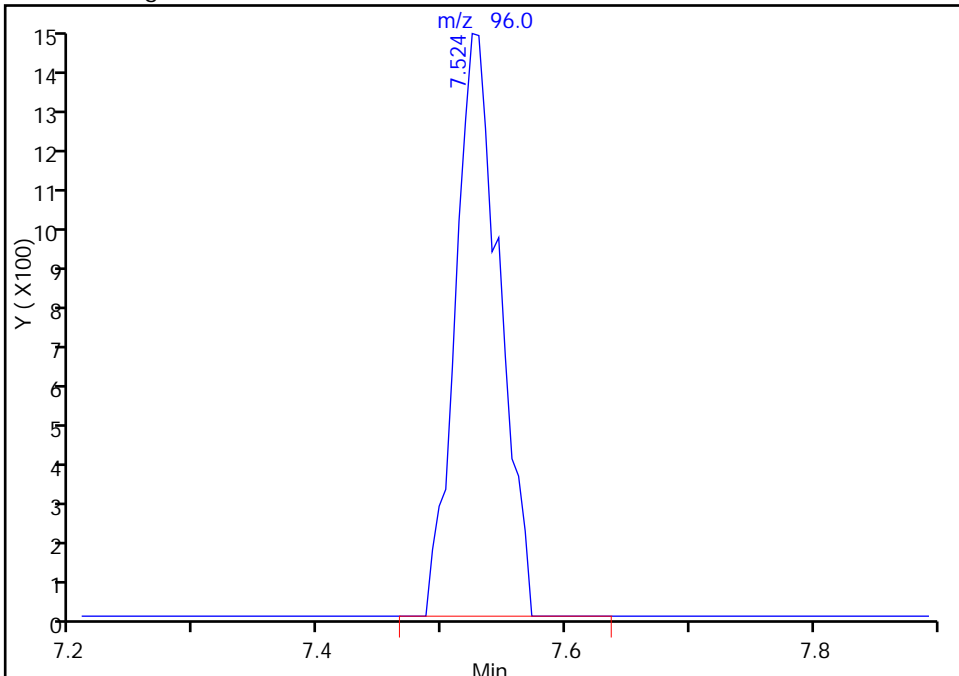
RT: 7.53
Area: 0
Amount: 0.114463
Amount Units: ppb v/v

Processing Integration Results



RT: 7.52
Area: 3480
Amount: 0.194552
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

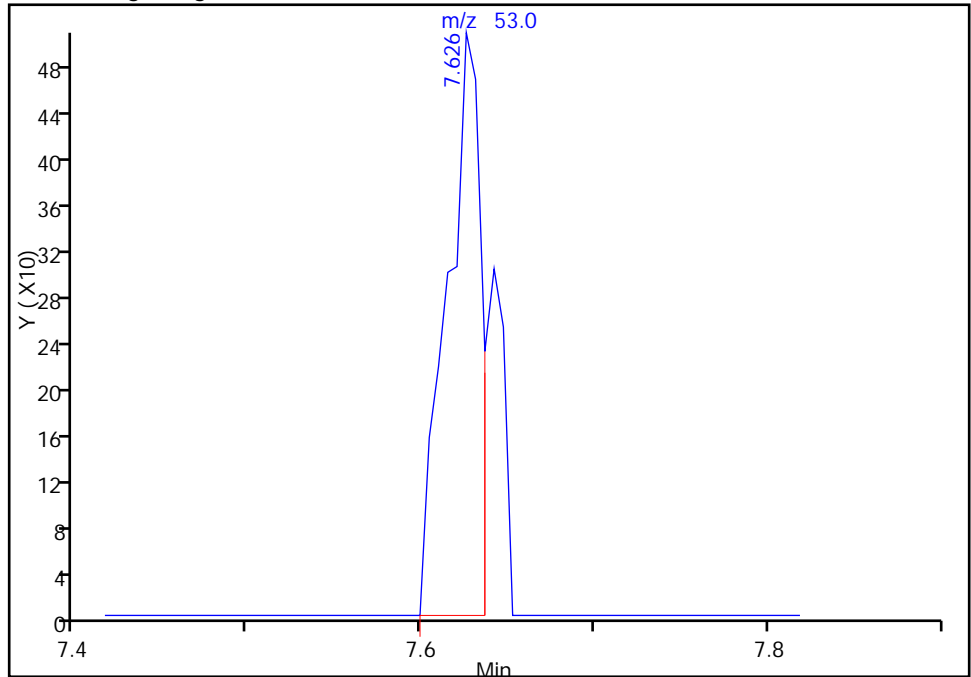
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

32 Acrylonitrile, CAS: 107-13-1

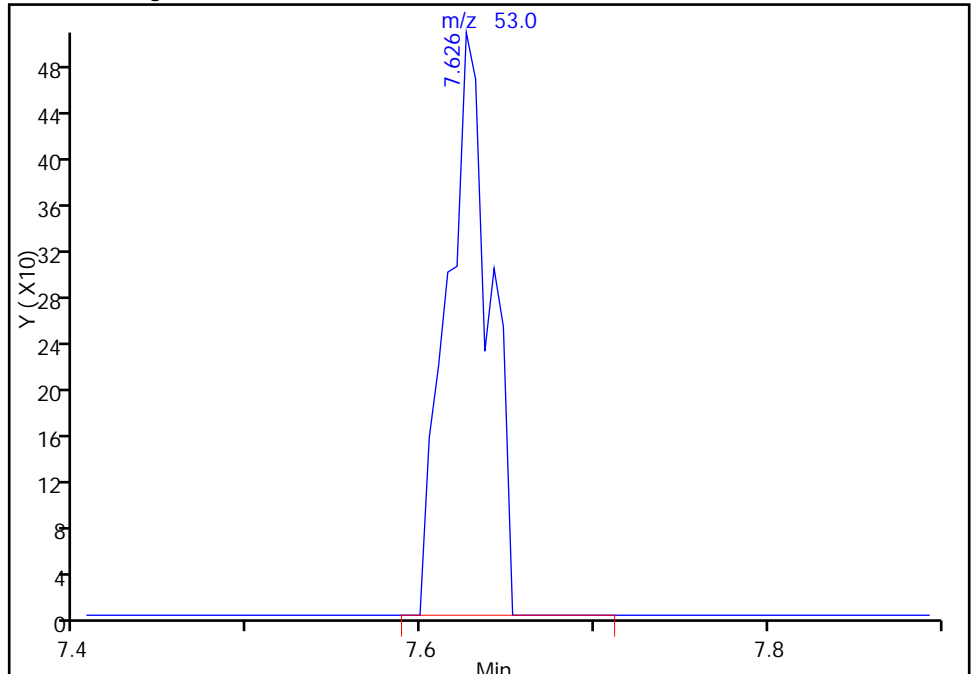
RT: 7.63
Area: 690
Amount: 0.129702
Amount Units: ppb v/v

Processing Integration Results



RT: 7.63
Area: 866
Amount: 0.169392
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

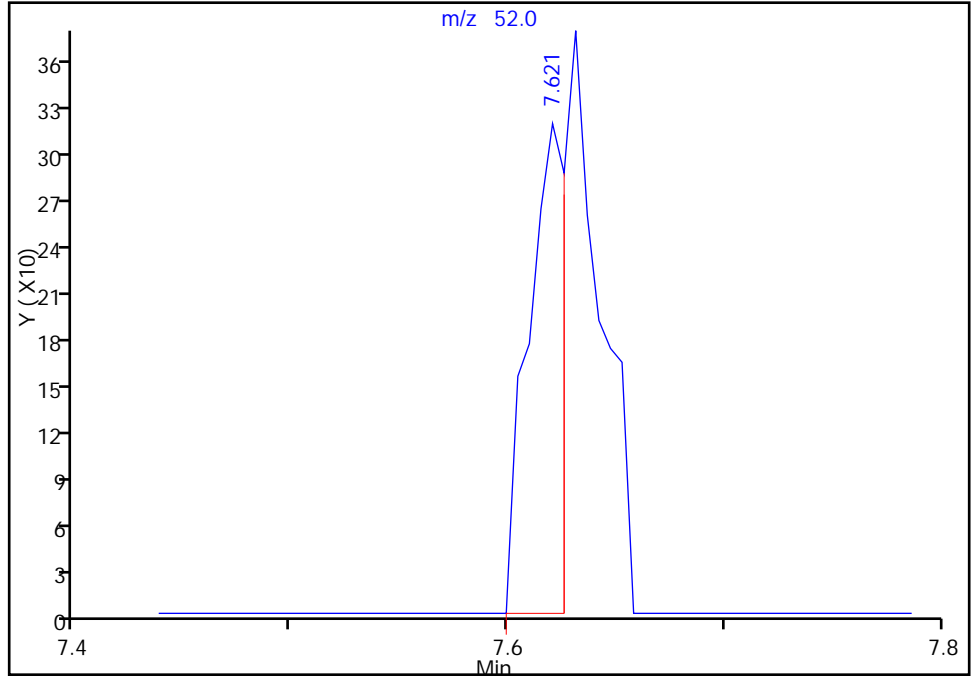
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

32 Acrylonitrile, CAS: 107-13-1

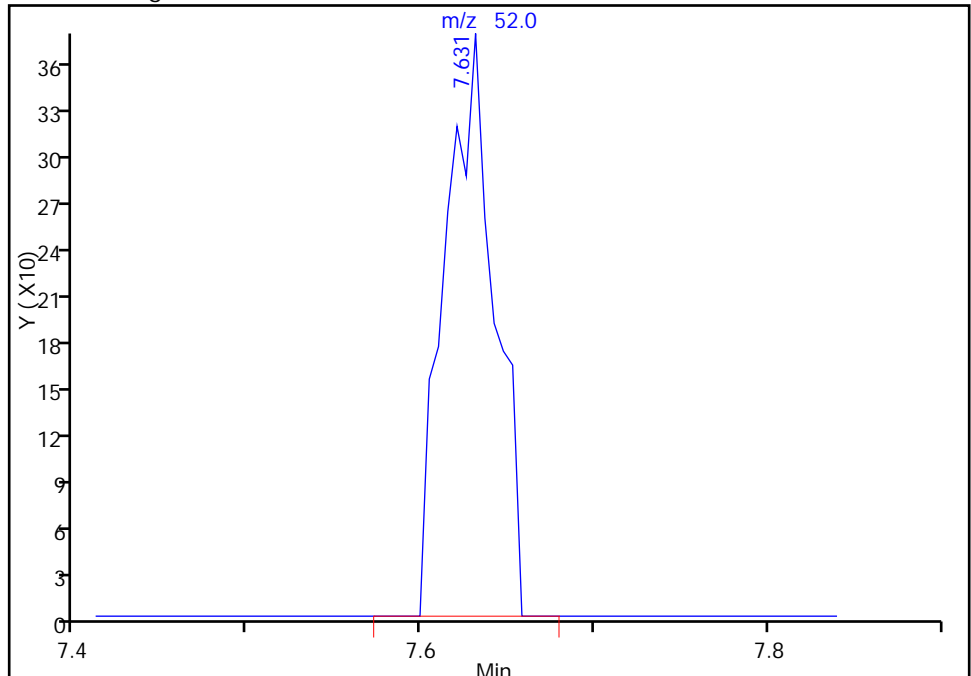
RT: 7.62
Area: 381
Amount: 0.129702
Amount Units: ppb v/v

Processing Integration Results



RT: 7.63
Area: 752
Amount: 0.169392
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

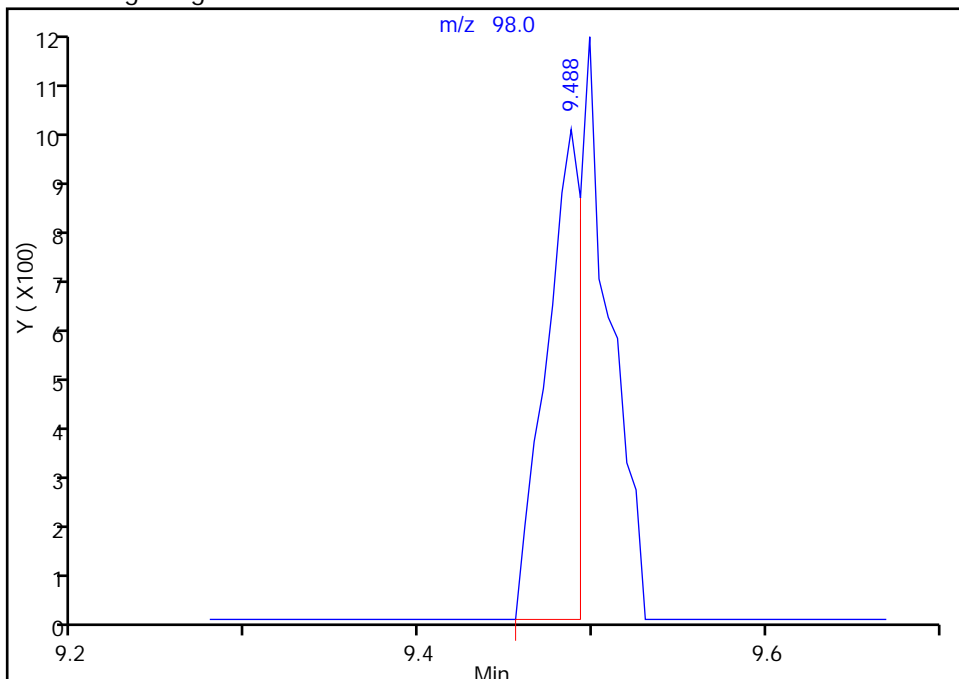
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

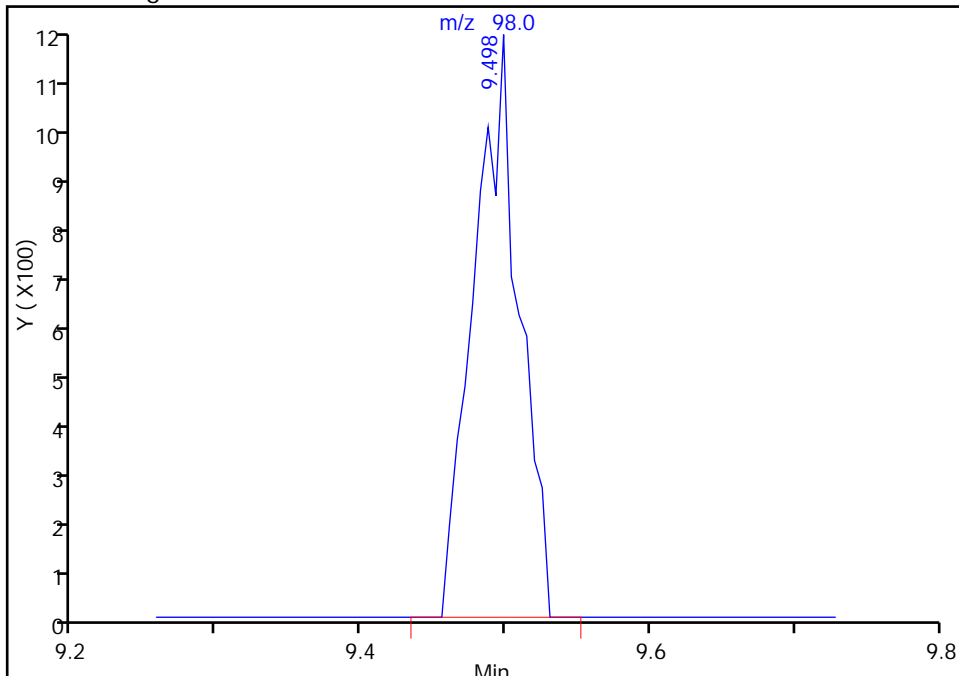
RT: 9.49
Area: 1350
Amount: 0.205030
Amount Units: ppb v/v

Processing Integration Results



RT: 9.50
Area: 2474
Amount: 0.201913
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

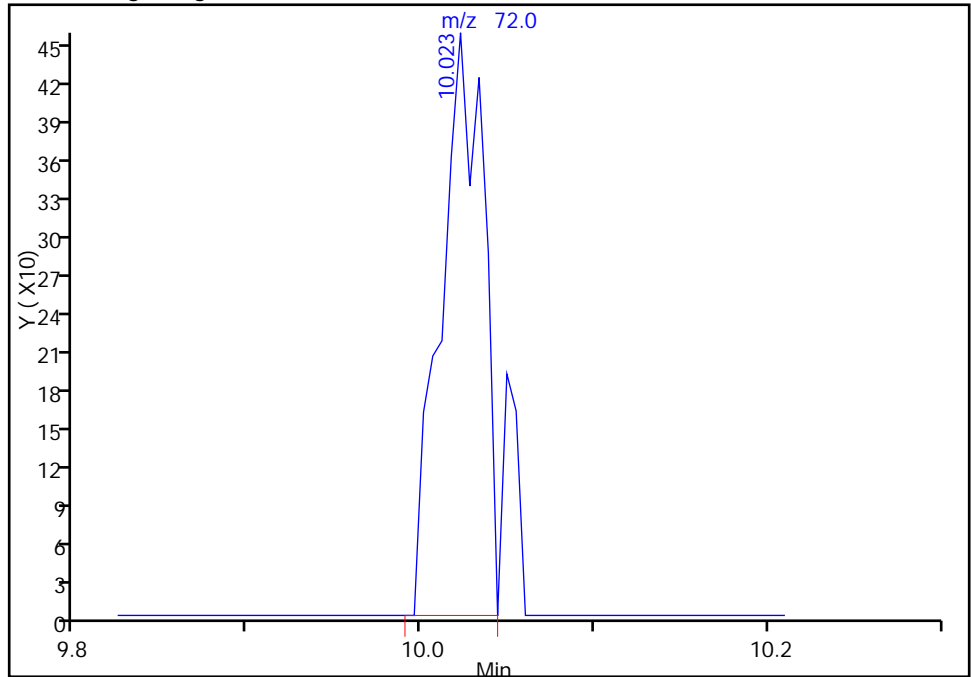
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

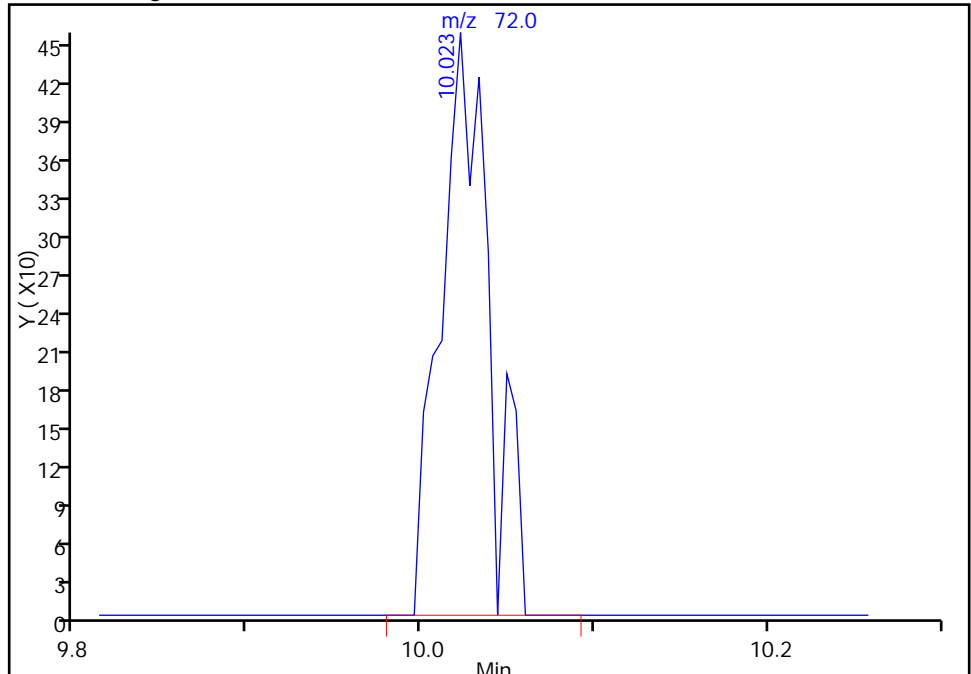
RT: 10.02
Area: 781
Amount: 0.181814
Amount Units: ppb v/v

Processing Integration Results



RT: 10.02
Area: 893
Amount: 0.176723
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

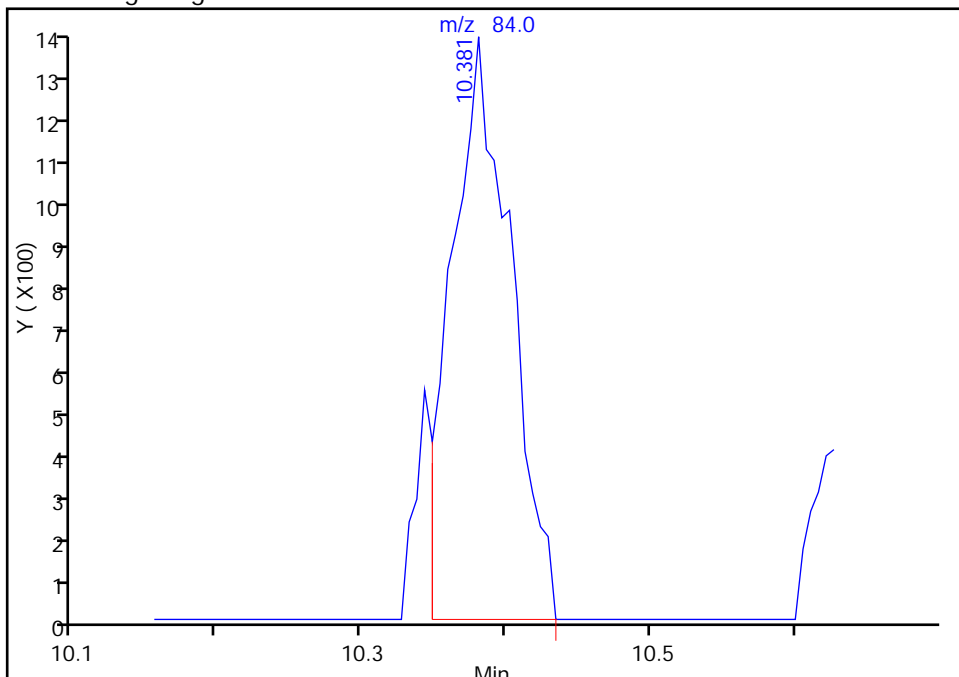
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

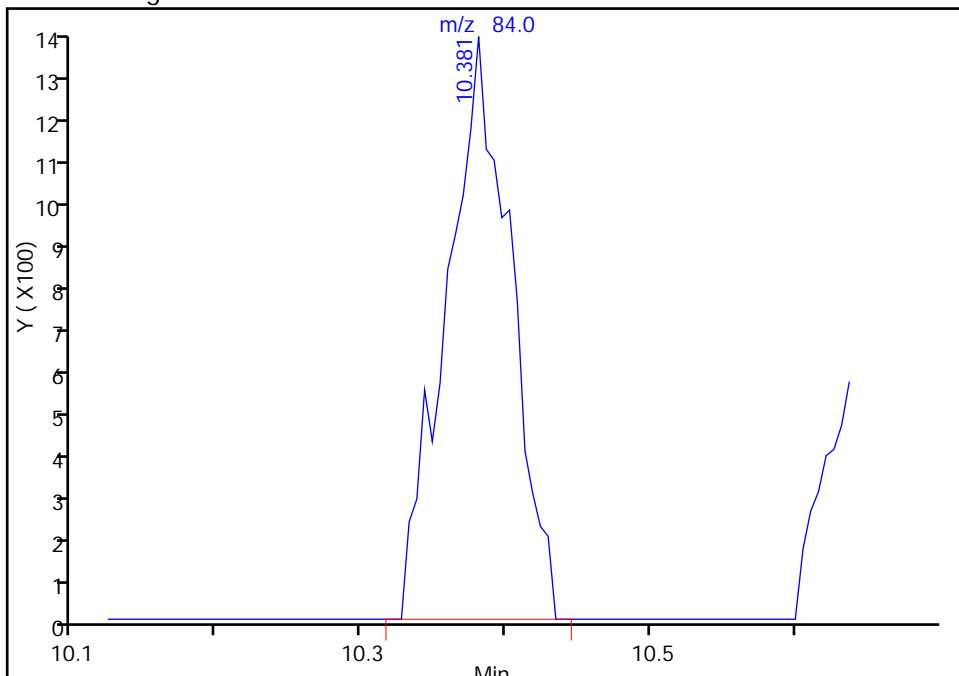
RT: 10.38
Area: 3991
Amount: 0.189768
Amount Units: ppb v/v

Processing Integration Results



RT: 10.38
Area: 4335
Amount: 0.194706
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

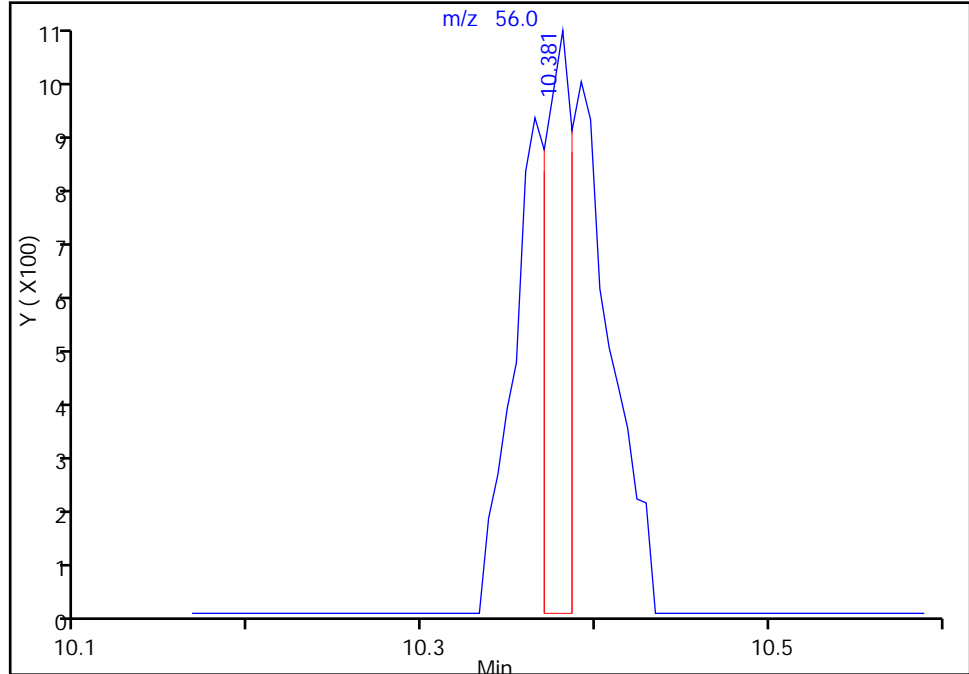
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

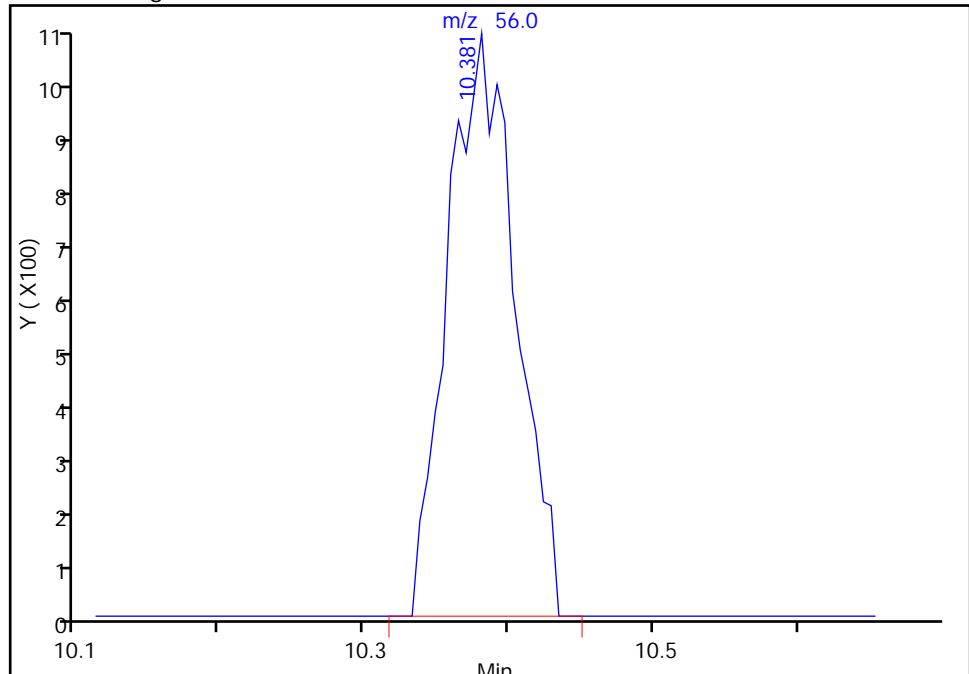
RT: 10.38
Area: 1133
Amount: 0.189768
Amount Units: ppb v/v

Processing Integration Results



RT: 10.38
Area: 3277
Amount: 0.194706
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

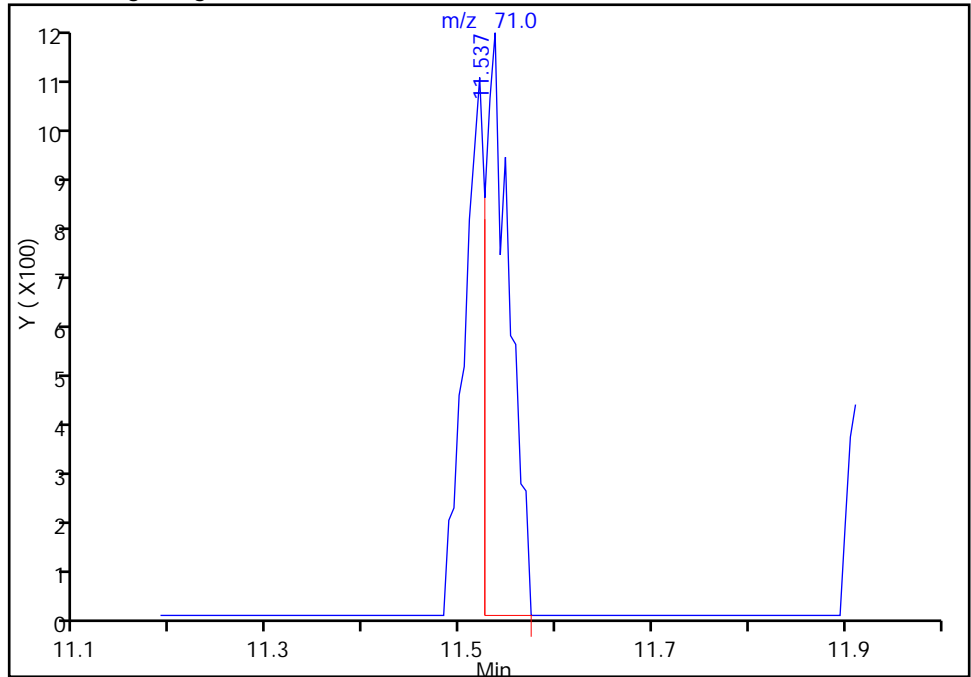
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

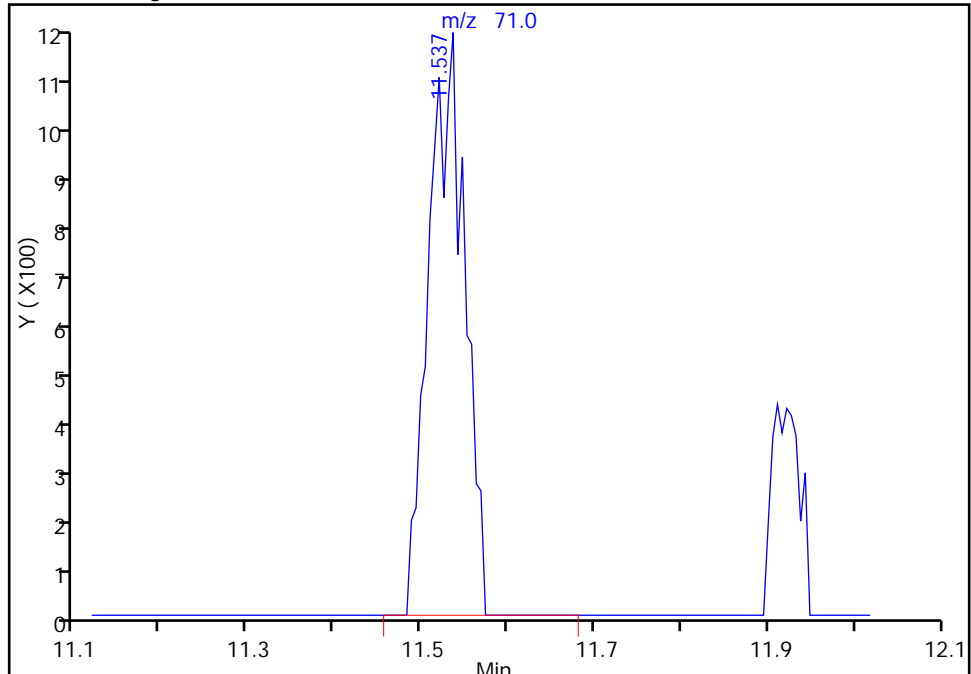
RT: 11.54
Area: 1962
Amount: 0.207905
Amount Units: ppb v/v

Processing Integration Results



RT: 11.54
Area: 3254
Amount: 0.198042
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

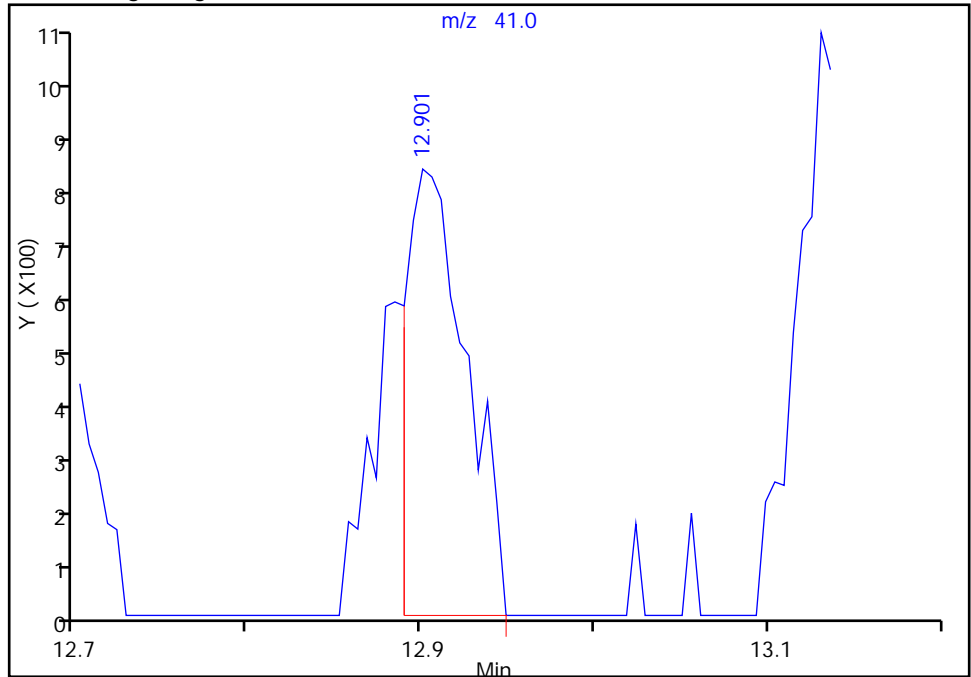
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

54 1,2-Dichloropropane, CAS: 78-87-5

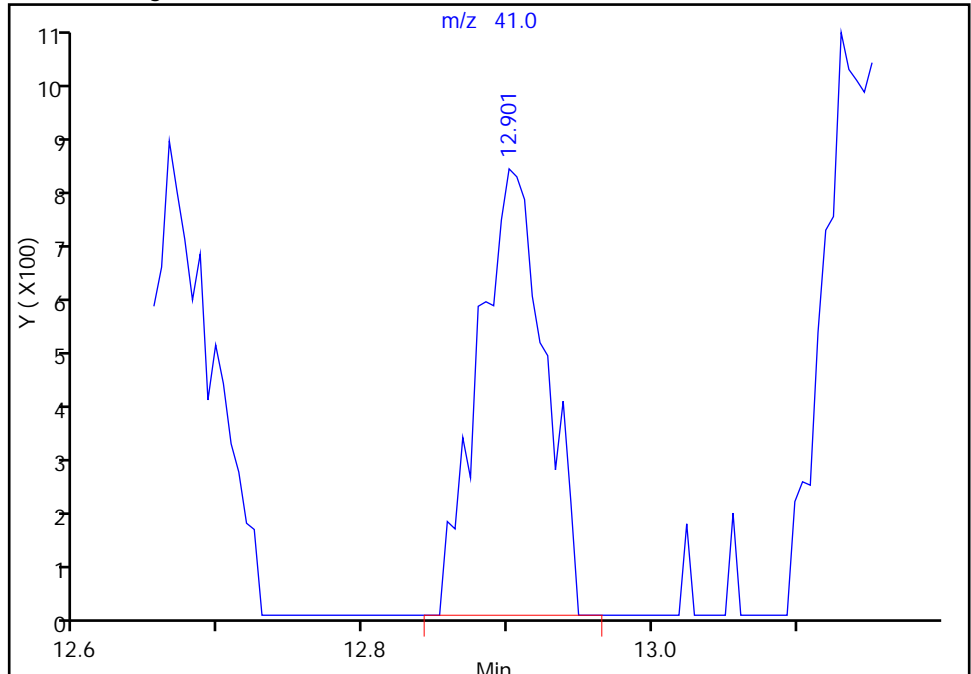
RT: 12.90
Area: 1882
Amount: 0.209951
Amount Units: ppb v/v

Processing Integration Results



RT: 12.90
Area: 2513
Amount: 0.204667
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

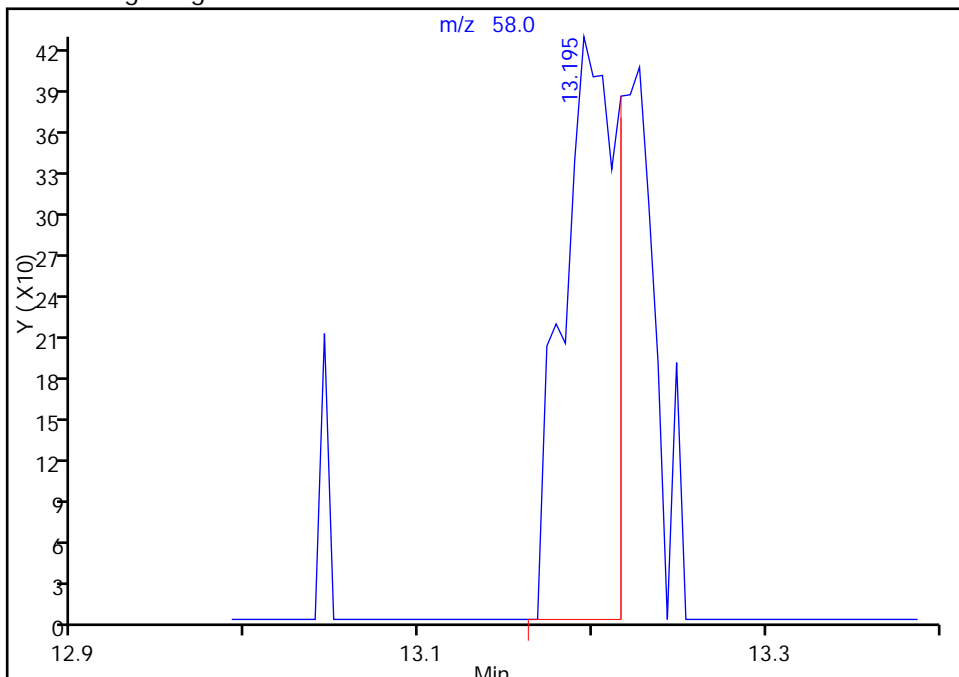
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

56 1,4-Dioxane, CAS: 123-91-1

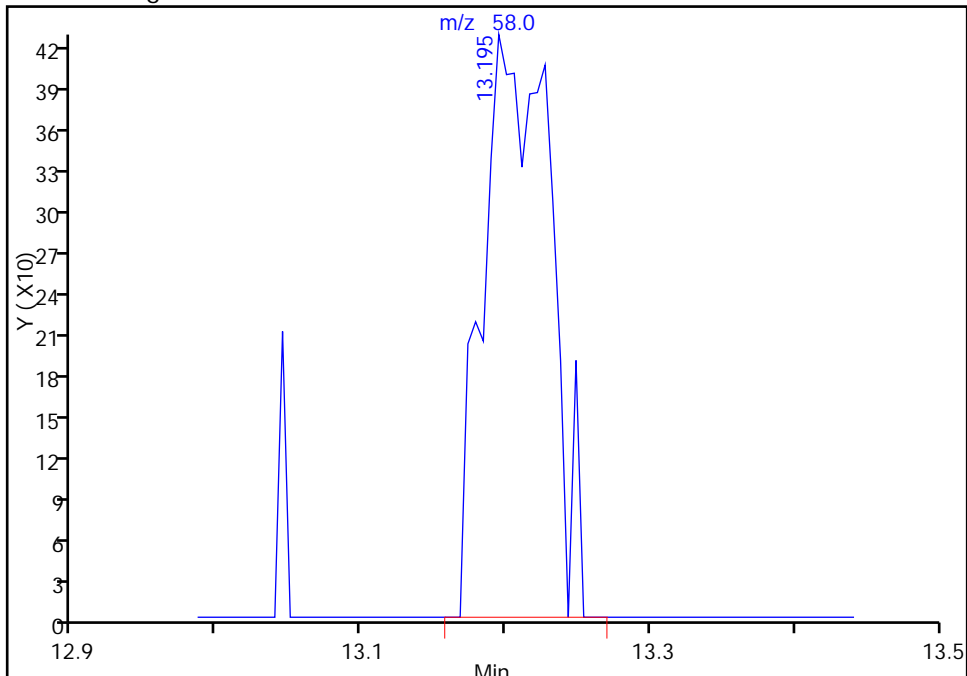
RT: 13.19
Area: 917
Amount: 0.326556
Amount Units: ppb v/v

Processing Integration Results



RT: 13.19
Area: 1384
Amount: 0.289125
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

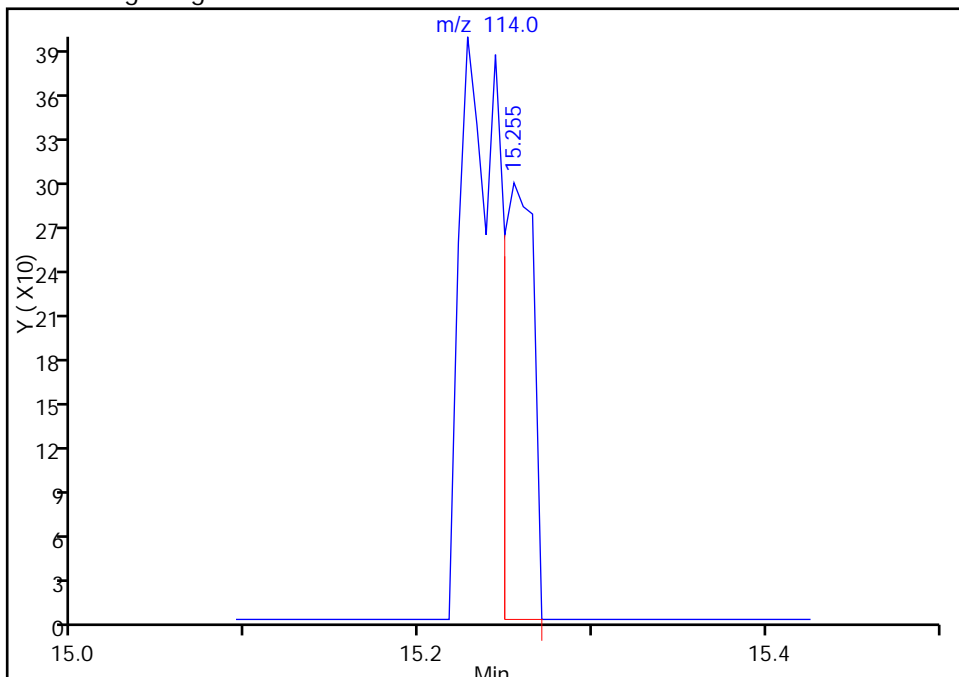
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

64 n-Octane, CAS: 111-65-9

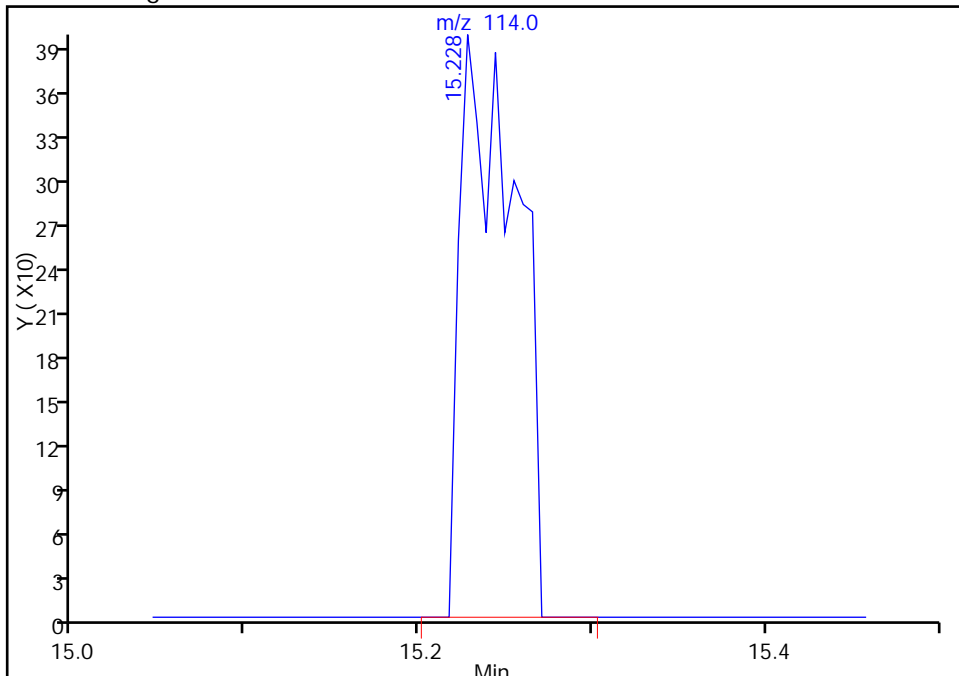
RT: 15.25
Area: 353
Amount: 0.234286
Amount Units: ppb v/v

Processing Integration Results



RT: 15.23
Area: 871
Amount: 0.219951
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

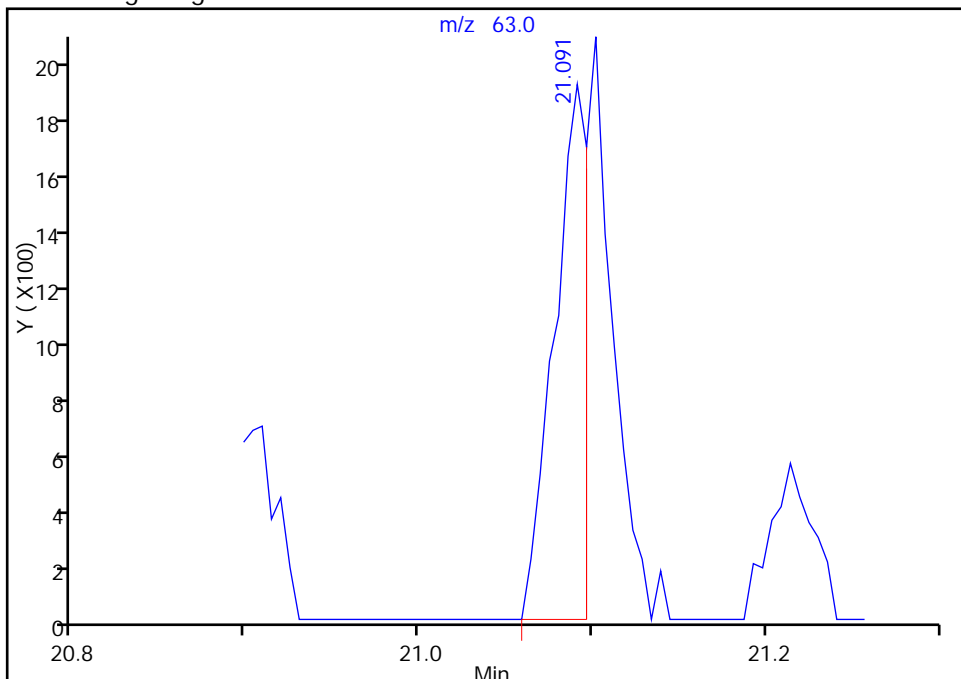
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_04.D
Injection Date: 18-Jan-2016 18:45:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

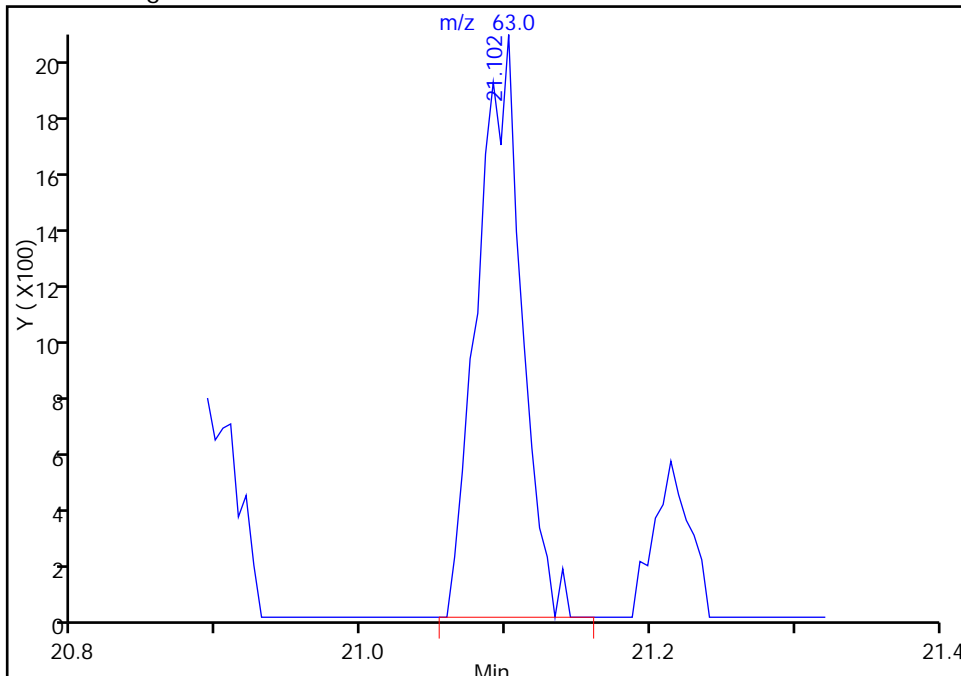
RT: 21.09
Area: 2551
Amount: 0.228550
Amount Units: ppb v/v

Processing Integration Results



RT: 21.10
Area: 4382
Amount: 0.216505
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:42:43
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 18-Jan-2016 20:27:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-006
 Misc. Info.: ic-03
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:07:59 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:45:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.747	2.747	0.000	89	5251	0.5005	0.7649	
2 Dichlorodifluoromethane	85	2.817	2.811	0.006	99	33894	0.5005	0.5514	
3 Chlorodifluoromethane	51	2.859	2.854	0.005	95	11624	0.5005	0.5355	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	85	29450	0.5005	0.5527	
5 Chloromethane	50	3.186	3.180	0.006	97	6323	0.5005	0.5818	
6 Butane	43	3.389	3.384	0.005	96	8291	0.5005	0.5987	
7 Vinyl chloride	62	3.416	3.410	0.006	97	8141	0.5005	0.5284	
8 Butadiene	54	3.496	3.491	0.005	88	4545	0.5005	0.5271	
10 Bromomethane	94	4.133	4.133	0.000	97	12034	0.5005	0.5388	
11 Chloroethane	64	4.368	4.368	0.000	96	2745	0.5005	0.5005	
12 2-Methylbutane	43	4.475	4.470	0.005	83	5338	0.5005	0.5752	
13 Vinyl bromide	106	4.758	4.753	0.005	98	12212	0.5005	0.5131	
14 Trichlorofluoromethane	101	4.882	4.876	0.006	98	35183	0.5005	0.5416	
16 Pentane	43	5.037	5.037	0.000	98	7398	0.5005	0.5799	
17 Ethanol	45	5.459	5.443	0.016	96	16686	5.01	5.07	
18 Ethyl ether	59	5.577	5.556	0.021	89	3012	0.5005	0.4969	
19 Acrolein	56	5.898	5.882	0.016	87	1163	0.5005	0.5104	
20 1,1,2-Trichloro-1,2,2-trif	101	5.984	5.978	0.006	95	22117	0.5005	0.5335	
21 1,1-Dichloroethene	96	5.989	5.989	0.000	91	9419	0.5005	0.5394	
22 Acetone	43	6.214	6.203	0.011	98	14979	0.5005	1.12	
23 Carbon disulfide	76	6.363	6.363	0.000	98	21330	0.5005	0.5074	
24 Isopropyl alcohol	45	6.577	6.545	0.032	98	5865	0.5005	0.5633	
25 3-Chloro-1-propene	41	6.775	6.770	0.005	92	5109	0.5005	0.5550	
26 Acetonitrile	41	6.861	6.845	0.016	91	2637	0.5005	0.5614	
27 Methylene Chloride	49	7.059	7.059	0.000	81	7745	0.5005	0.6104	
28 2-Methyl-2-propanol	59	7.358	7.337	0.021	94	9509	0.5005	0.4938	
31 trans-1,2-Dichloroethene	61	7.524	7.524	0.000	92	10199	0.5005	0.5401	
29 Methyl tert-butyl ether	73	7.556	7.530	0.026	94	18941	0.5005	0.5108	
32 Acrylonitrile	53	7.631	7.621	0.010	94	2324	0.5005	0.4279	
33 Hexane	57	7.968	7.974	-0.006	86	6852	0.5005	0.5108	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.386	8.386	0.000	97	12080	0.5005	0.5031	
35 Vinyl acetate	43	8.503	8.493	0.010	99	8778	0.5005	0.4487	
37 cis-1,2-Dichloroethene	96	9.498	9.493	0.005	78	11198	0.5005	0.5110	M
38 2-Butanone (MEK)	72	9.557	9.546	0.011	96	2638	0.5005	0.4622	
39 Ethyl acetate	88		9.632				ND	ND	
S 30 1,2-Dichloroethene, Total	61				0		1.00	1.05	
* 40 Chlorobromomethane	128	9.937	9.942	-0.005	80	235875	10.0	10.0	
41 Tetrahydrofuran	42	10.028	9.990	0.038	78	4208	0.5005	0.5124	
42 Chloroform	83	10.092	10.092	0.000	96	24338	0.5005	0.5146	
44 1,1,1-Trichloroethane	97	10.376	10.376	0.000	93	30015	0.5005	0.5317	
43 Cyclohexane	84	10.381	10.386	-0.005	63	11623	0.5005	0.5360	
45 Carbon tetrachloride	117	10.643	10.638	0.005	97	34970	0.5005	0.5527	
47 Benzene	78	11.076	11.076	0.000	93	30578	0.5005	0.5328	
46 Isooctane	57	11.125	11.130	-0.005	98	34002	0.5005	0.5456	
48 1,2-Dichloroethane	62	11.226	11.232	-0.006	98	14943	0.5005	0.5119	
49 n-Heptane	43	11.531	11.531	0.000	81	10852	0.5005	0.5494	
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1239698	10.0	10.0	
52 n-Butanol	56		12.339				ND	ND	
53 Trichloroethene	95	12.393	12.387	0.005	93	23753	0.5005	0.5343	
A 51 GRO	1	12.810	(4.460-21.160)		0	14445339	0.5005	0	
54 1,2-Dichloropropane	63	12.901	12.901	0.000	87	12113	0.5005	0.5227	
55 Methyl methacrylate	69	13.136	13.125	0.011	47	9163	0.5005	0.4807	
57 Dibromomethane	174	13.152	13.147	0.005	88	34685	0.5005	0.5524	
56 1,4-Dioxane	88	13.184	13.158	0.026	76	7971	0.5005	0.6345	
58 Dichlorobromomethane	83	13.462	13.462	0.000	97	38593	0.5005	0.4996	
60 cis-1,3-Dichloropropene	75	14.447	14.441	0.006	86	29735	0.5005	0.5069	M
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	19948487	0.5005	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.778	14.762	0.016	90	22677	0.5005	0.5111	
65 Toluene	92	15.083	15.078	0.005	93	46491	0.5005	0.5283	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	164899	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	81	28617	0.5005	0.5698	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	136187	NC	NC	
66 trans-1,3-Dichloropropene	75	15.688	15.683	0.005	92	30460	0.5005	0.4926	
67 1,1,2-Trichloroethane	83	16.057	16.052	0.005	91	22697	0.5005	0.5266	
68 Tetrachloroethene	166	16.228	16.228	0.000	95	64594	0.5005	0.5476	
69 2-Hexanone	43	16.571	16.560	0.011	98	23660	0.5005	0.5394	
71 Chlorodibromomethane	129	16.838	16.843	-0.005	97	52960	0.5005	0.4569	
72 Ethylene Dibromide	107	17.106	17.106	0.000	99	48411	0.5005	0.4946	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	1997964	10.0	10.0	
75 Chlorobenzene	112	18.117	18.117	0.000	98	73998	0.5005	0.5377	
76 Ethylbenzene	91	18.299	18.304	-0.005	96	97436	0.5005	0.5317	
77 n-Nonane	57	18.513	18.513	0.000	80	31695	0.5005	0.5682	
78 m-Xylene & p-Xylene	106	18.555	18.561	-0.006	0	87036	1.00	1.13	
79 o-Xylene	106	19.401	19.401	0.000	97	44564	0.5005	0.5379	
80 Styrene	104	19.449	19.449	0.000	93	51668	0.5005	0.4579	
S 73 Xylenes, Total	106				0		1.50	1.67	
81 Bromoform	173	19.861	19.861	0.000	98	38452	0.5005	0.4084	
82 Isopropylbenzene	105	20.144	20.144	0.000	94	122811	0.5005	0.5474	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	95	1203351	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	59508	0.5005	0.5575	
86 1,2,3-Trichloropropane	75	20.877	20.882	-0.005	95	43197	0.5005	0.5818	
85 N-Propylbenzene	91	20.904	20.909	-0.005	100	134559	0.5005	0.5661	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.091	21.096	-0.005	95	96446	0.5005	0.5675	
88 4-Ethyltoluene	105	21.102	21.107	-0.005	97	119253	0.5005	0.5684	
87 n-Decane	57	21.150	21.150	0.000	91	39900	0.5005	0.5806	
90 1,3,5-Trimethylbenzene	105	21.220	21.220	0.000	94	101306	0.5005	0.5351	
91 Alpha Methyl Styrene	118	21.589	21.589	0.000	92	41493	0.5005	0.4436	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	105591	0.5005	0.5500	
93 1,2,4-Trimethylbenzene	105	21.819	21.819	0.000	95	102889	0.5005	0.5411	
94 sec-Butylbenzene	105	22.054	22.059	-0.005	99	150132	0.5005	0.5534	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	98	131898	0.5005	0.5796	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	91	87784	0.5005	0.5810	
97 1,4-Dichlorobenzene	146	22.407	22.407	0.000	98	86826	0.5005	0.5376	
98 Benzyl chloride	91	22.594	22.594	0.000	100	67649	0.5005	0.5053	
100 n-Butylbenzene	91	22.835	22.835	0.000	98	105487	0.5005	0.5506	
99 Undecane	57	22.905	22.905	0.000	89	44347	0.5005	0.6753	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	99	84481	0.5005	0.5585	
102 Dodecane	57	24.435	24.435	0.000	95	44596	0.5005	0.7929	
103 1,2,4-Trichlorobenzene	180	25.323	25.323	0.000	94	60219	0.5005	0.5498	
104 Hexachlorobutadiene	225	25.537	25.537	0.000	93	64584	0.5005	0.5942	
105 Naphthalene	128	25.761	25.761	0.000	99	129034	0.5005	0.5903	
106 1,2,3-Trichlorobenzene	180	26.211	26.211	0.000	95	61998	0.5005	0.5848	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00203

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_06.D

Injection Date: 18-Jan-2016 20:27:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

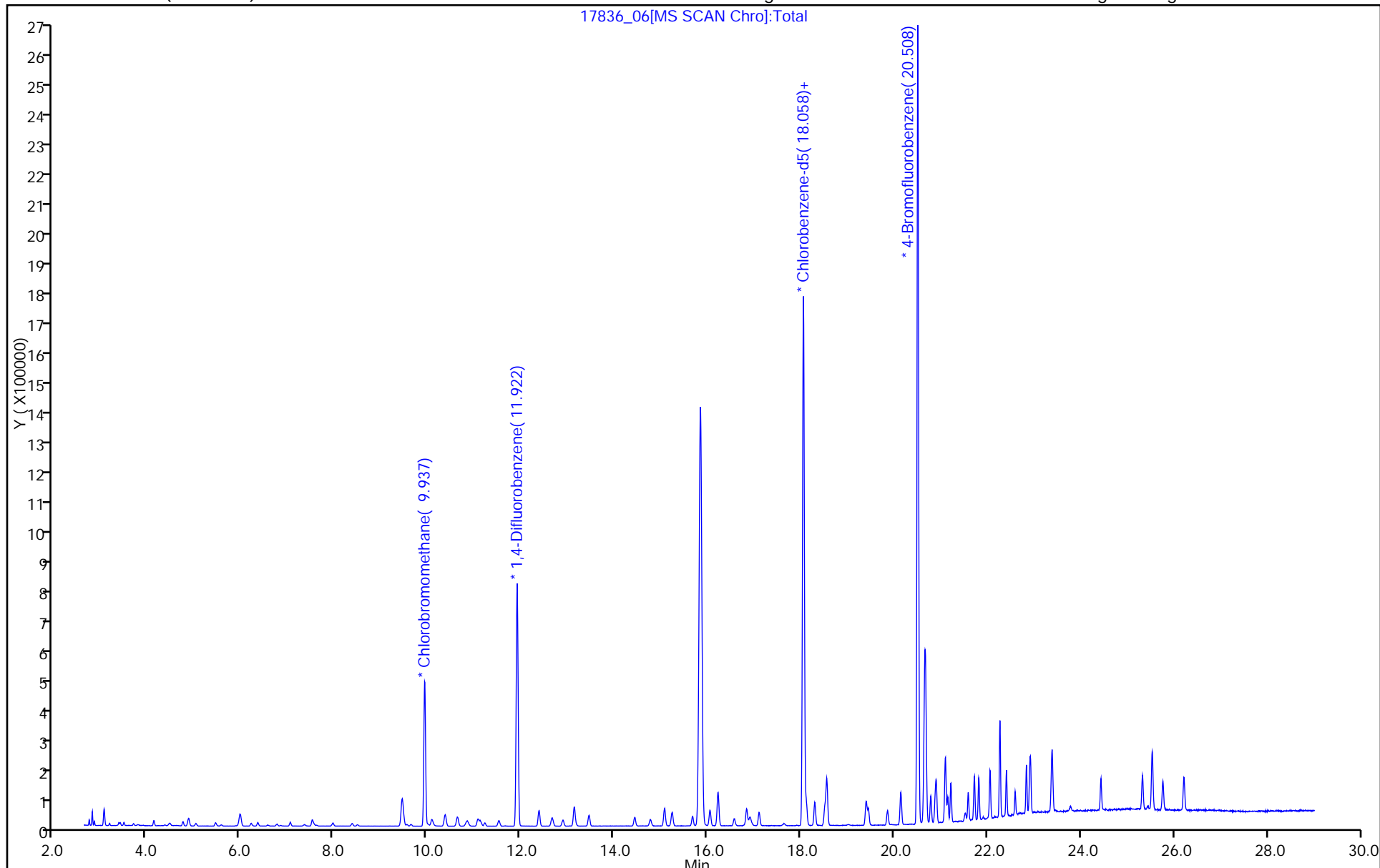
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



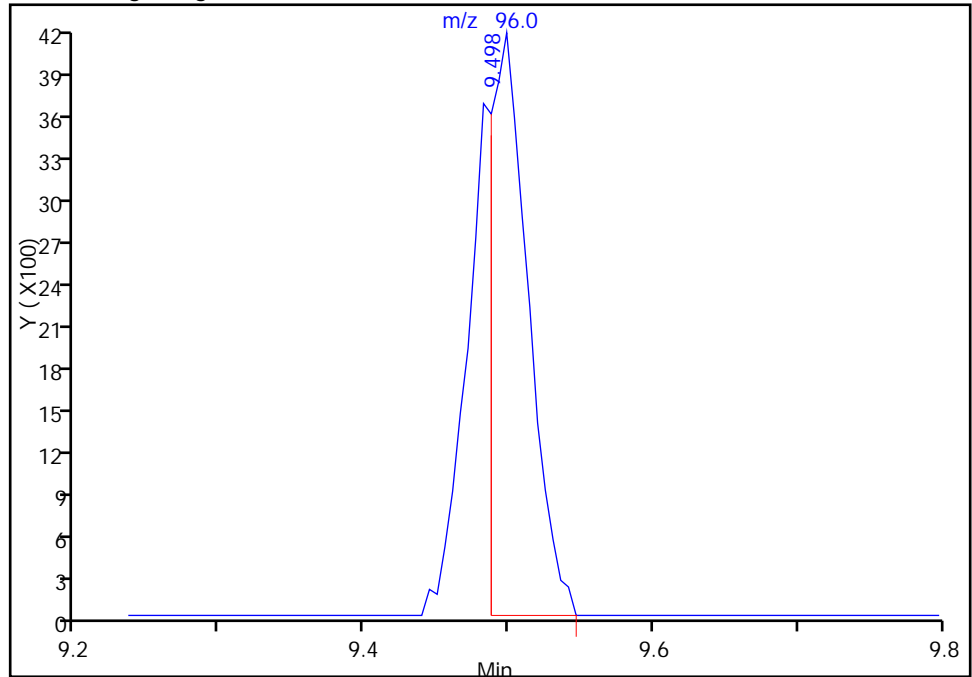
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_06.D
Injection Date: 18-Jan-2016 20:27:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

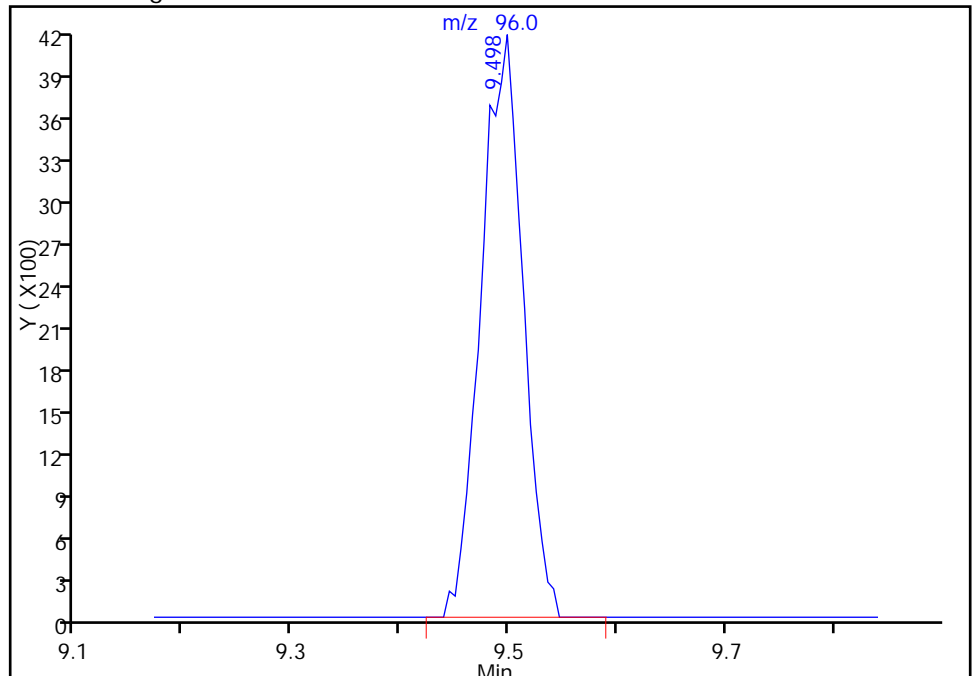
RT: 9.50
Area: 7529
Amount: 0.372015
Amount Units: ppb v/v

Processing Integration Results



RT: 9.50
Area: 11198
Amount: 0.511004
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:45:44
Audit Action: Manually Integrated
Audit Reason: Baseline

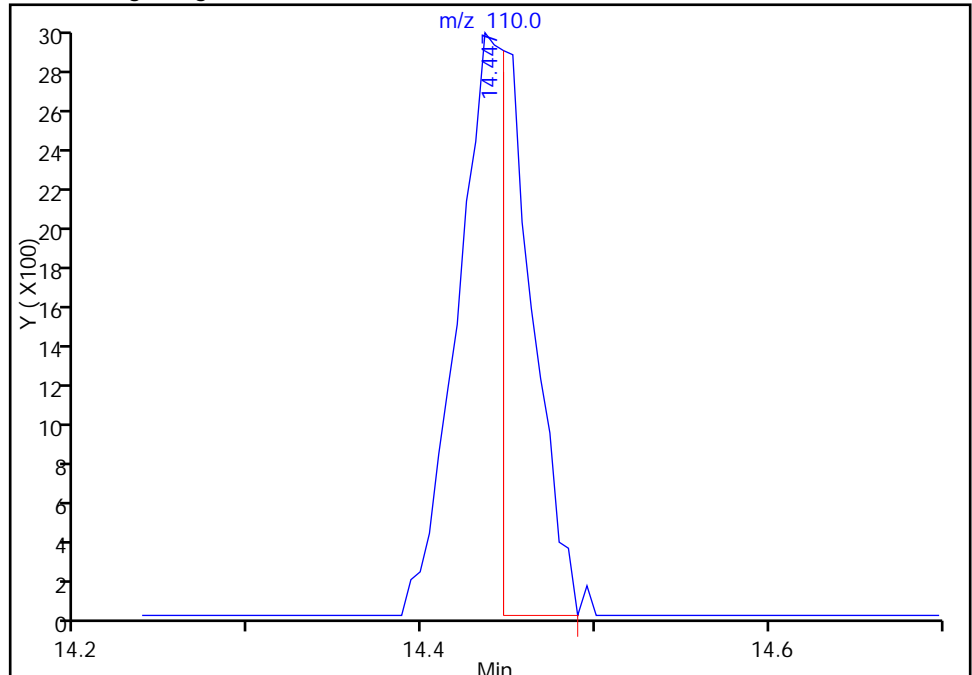
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_06.D
Injection Date: 18-Jan-2016 20:27:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

60 cis-1,3-Dichloropropene, CAS: 10061-01-5

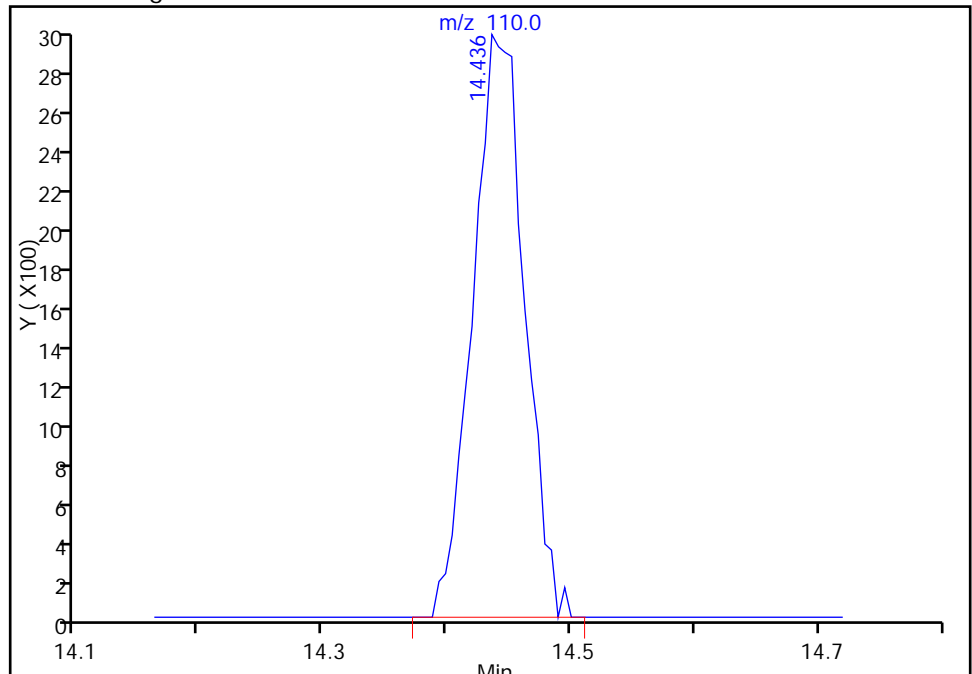
RT: 14.45
Area: 3899
Amount: 0.558588
Amount Units: ppb v/v

Processing Integration Results



RT: 14.44
Area: 8658
Amount: 0.506891
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 19-Jan-2016 08:45:44
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 18-Jan-2016 21:19:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-007
 Misc. Info.: ic-04
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:06 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:46:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.752	2.747	0.005	95	33990	4.99	5.55	
2 Dichlorodifluoromethane	85	2.816	2.811	0.005	99	304107	4.99	5.55	
3 Chlorodifluoromethane	51	2.859	2.854	0.005	95	100506	4.99	5.19	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	95	248358	4.99	5.23	
5 Chloromethane	50	3.186	3.180	0.006	98	49534	4.99	5.11	
6 Butane	43	3.389	3.384	0.005	96	65843	4.99	5.33	
7 Vinyl chloride	62	3.416	3.410	0.006	98	70323	4.99	5.12	
8 Butadiene	54	3.496	3.491	0.005	90	40664	4.99	5.29	
10 Bromomethane	94	4.132	4.133	-0.001	99	104686	4.99	5.26	
11 Chloroethane	64	4.373	4.368	0.005	99	25748	4.99	5.27	
12 2-Methylbutane	43	4.475	4.470	0.005	85	40508	4.99	4.90	
13 Vinyl bromide	106	4.758	4.753	0.005	99	113679	4.99	5.36	
14 Trichlorofluoromethane	101	4.881	4.876	0.005	98	303821	4.99	5.25	
16 Pentane	43	5.037	5.037	0.000	97	58032	4.99	5.10	
17 Ethanol	45	5.448	5.443	0.005	95	32008	10.0	10.9	
18 Ethyl ether	59	5.566	5.556	0.010	94	27754	4.99	5.14	
19 Acrolein	56	5.887	5.882	0.005	96	10753	4.99	5.29	
20 1,1,2-Trichloro-1,2,2-trif	101	5.978	5.978	0.000	96	189057	4.99	5.12	
21 1,1-Dichloroethene	96	5.989	5.989	0.000	92	81196	4.99	5.22	
22 Acetone	43	6.213	6.203	0.010	99	72787	4.99	6.12	
23 Carbon disulfide	76	6.363	6.363	0.000	98	197338	4.99	5.27	
24 Isopropyl alcohol	45	6.556	6.545	0.011	99	54470	4.99	5.87	
25 3-Chloro-1-propene	41	6.775	6.770	0.005	89	34574	4.99	4.21	
26 Acetonitrile	41	6.845	6.845	0.000	98	22466	4.99	5.37	
27 Methylene Chloride	49	7.059	7.059	0.000	78	57890	4.99	5.12	
28 2-Methyl-2-propanol	59	7.348	7.337	0.011	93	97032	4.99	5.65	
31 trans-1,2-Dichloroethene	61	7.529	7.524	0.005	90	88333	4.99	5.25	
29 Methyl tert-butyl ether	73	7.529	7.530	-0.001	94	167494	4.99	5.07	
32 Acrylonitrile	53	7.626	7.621	0.005	90	23750	4.99	4.91	
33 Hexane	57	7.974	7.974	0.000	88	63099	4.99	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.385	8.386	-0.001	98	111199	4.99	5.20	
35 Vinyl acetate	43	8.498	8.493	0.005	99	80473	4.99	4.61	
37 cis-1,2-Dichloroethene	96	9.493	9.493	0.000	83	102878	4.99	5.27	
38 2-Butanone (MEK)	72	9.546	9.546	0.000	96	27744	4.99	5.45	
39 Ethyl acetate	88	9.637	9.632	0.005	98	3955	4.99	4.96	
S 30 1,2-Dichloroethene, Total	61				0		9.99	10.5	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	65	210253	10.0	10.0	
41 Tetrahydrofuran	42	9.996	9.990	0.006	73	38218	4.99	5.55	
42 Chloroform	83	10.087	10.092	-0.005	94	221631	4.99	5.26	
44 1,1,1-Trichloroethane	97	10.376	10.376	0.000	92	270062	4.99	5.71	
43 Cyclohexane	84	10.381	10.386	-0.005	55	102451	4.99	5.64	
45 Carbon tetrachloride	117	10.643	10.638	0.005	96	210543	4.99	3.97	
47 Benzene	78	11.076	11.076	0.000	92	256737	4.99	5.34	
46 Isooctane	57	11.130	11.130	0.000	98	295622	4.99	5.66	
48 1,2-Dichloroethane	62	11.231	11.232	-0.001	99	131112	4.99	5.36	
49 n-Heptane	43	11.531	11.531	0.000	82	94176	4.99	5.69	
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1039223	10.0	10.0	
52 n-Butanol	56	12.355	12.339	0.016	67	35032	4.99	6.26	
53 Trichloroethene	95	12.387	12.387	0.000	93	217013	4.99	5.82	
A 51 GRO	1	12.812	(4.460-21.160)		0	55041010	4.99	0	
54 1,2-Dichloropropane	63	12.901	12.901	0.000	89	104896	4.99	5.40	
55 Methyl methacrylate	69	13.131	13.125	0.006	91	87017	4.99	5.45	
57 Dibromomethane	174	13.147	13.147	0.000	91	308757	4.99	5.87	
56 1,4-Dioxane	88	13.163	13.158	0.005	81	76679	4.99	7.28	
58 Dichlorobromomethane	83	13.462	13.462	0.000	97	363025	4.99	5.61	
60 cis-1,3-Dichloropropene	75	14.441	14.441	0.000	86	277758	4.99	5.65	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	94660104	4.99	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.768	14.762	0.006	91	239140	4.99	6.43	
A 63 Toluene Range	92	15.083	(15.038-15.118)		0	1422396	NC	NC	
65 Toluene	92	15.078	15.078	0.000	93	401635	4.99	5.30	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	1171563	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	81	245384	4.99	5.83	
66 trans-1,3-Dichloropropene	75	15.682	15.683	-0.001	92	281266	4.99	5.43	
67 1,1,2-Trichloroethane	83	16.052	16.052	0.000	92	203713	4.99	5.49	
68 Tetrachloroethene	166	16.228	16.228	0.000	95	572151	4.99	5.63	
69 2-Hexanone	43	16.560	16.560	0.000	98	233756	4.99	6.18	
71 Chlorodibromomethane	129	16.843	16.843	0.000	97	520594	4.99	5.21	
72 Ethylene Dibromide	107	17.105	17.106	-0.001	99	468033	4.99	5.55	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	1721485	10.0	10.0	
75 Chlorobenzene	112	18.122	18.117	0.005	99	647614	4.99	5.46	
76 Ethylbenzene	91	18.298	18.304	-0.006	96	843532	4.99	5.34	
77 n-Nonane	57	18.512	18.513	-0.001	81	279493	4.99	5.82	
78 m-Xylene & p-Xylene	106	18.555	18.561	-0.006	0	720373	9.99	10.9	
79 o-Xylene	106	19.400	19.401	-0.001	97	378871	4.99	5.31	
80 Styrene	104	19.449	19.449	0.000	93	564228	4.99	5.80	
S 73 Xylenes, Total	106				0		15.0	16.2	
81 Bromoform	173	19.861	19.861	0.000	98	370540	4.99	4.57	
82 Isopropylbenzene	105	20.144	20.144	0.000	94	1040022	4.99	5.38	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	95	1056347	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	509954	4.99	5.55	
86 1,2,3-Trichloropropane	75	20.882	20.882	0.000	95	356230	4.99	5.57	
85 N-Propylbenzene	91	20.904	20.909	-0.005	100	1127060	4.99	5.50	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	825705	4.99	5.64	
88 4-Ethyltoluene	105	21.107	21.107	0.000	97	1004027	4.99	5.55	
87 n-Decane	57	21.150	21.150	0.000	90	348823	4.99	5.89	
90 1,3,5-Trimethylbenzene	105	21.219	21.220	-0.001	95	868218	4.99	5.32	
91 Alpha Methyl Styrene	118	21.589	21.589	-0.001	92	432411	4.99	5.37	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	889640	4.99	5.38	
93 1,2,4-Trimethylbenzene	105	21.813	21.819	-0.006	95	869401	4.99	5.31	
94 sec-Butylbenzene	105	22.059	22.059	0.000	99	1274241	4.99	5.45	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	97	1093754	4.99	5.58	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	92	742783	4.99	5.71	
97 1,4-Dichlorobenzene	146	22.407	22.407	0.000	97	765008	4.99	5.50	
98 Benzyl chloride	91	22.594	22.594	0.000	100	521827	4.99	4.52	
100 n-Butylbenzene	91	22.835	22.835	0.000	98	913037	4.99	5.53	
99 Undecane	57	22.905	22.905	0.000	89	341537	4.99	6.04	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	99	730061	4.99	5.60	
102 Dodecane	57	24.435	24.435	0.000	96	239786	4.99	4.95	
103 1,2,4-Trichlorobenzene	180	25.323	25.323	0.000	93	481304	4.99	5.10	
104 Hexachlorobutadiene	225	25.531	25.537	-0.006	97	527827	4.99	5.64	
105 Naphthalene	128	25.761	25.761	0.000	99	1015649	4.99	5.39	
106 1,2,3-Trichlorobenzene	180	26.211	26.211	0.000	96	459959	4.99	5.04	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00159

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_07.D

Injection Date: 18-Jan-2016 21:19:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

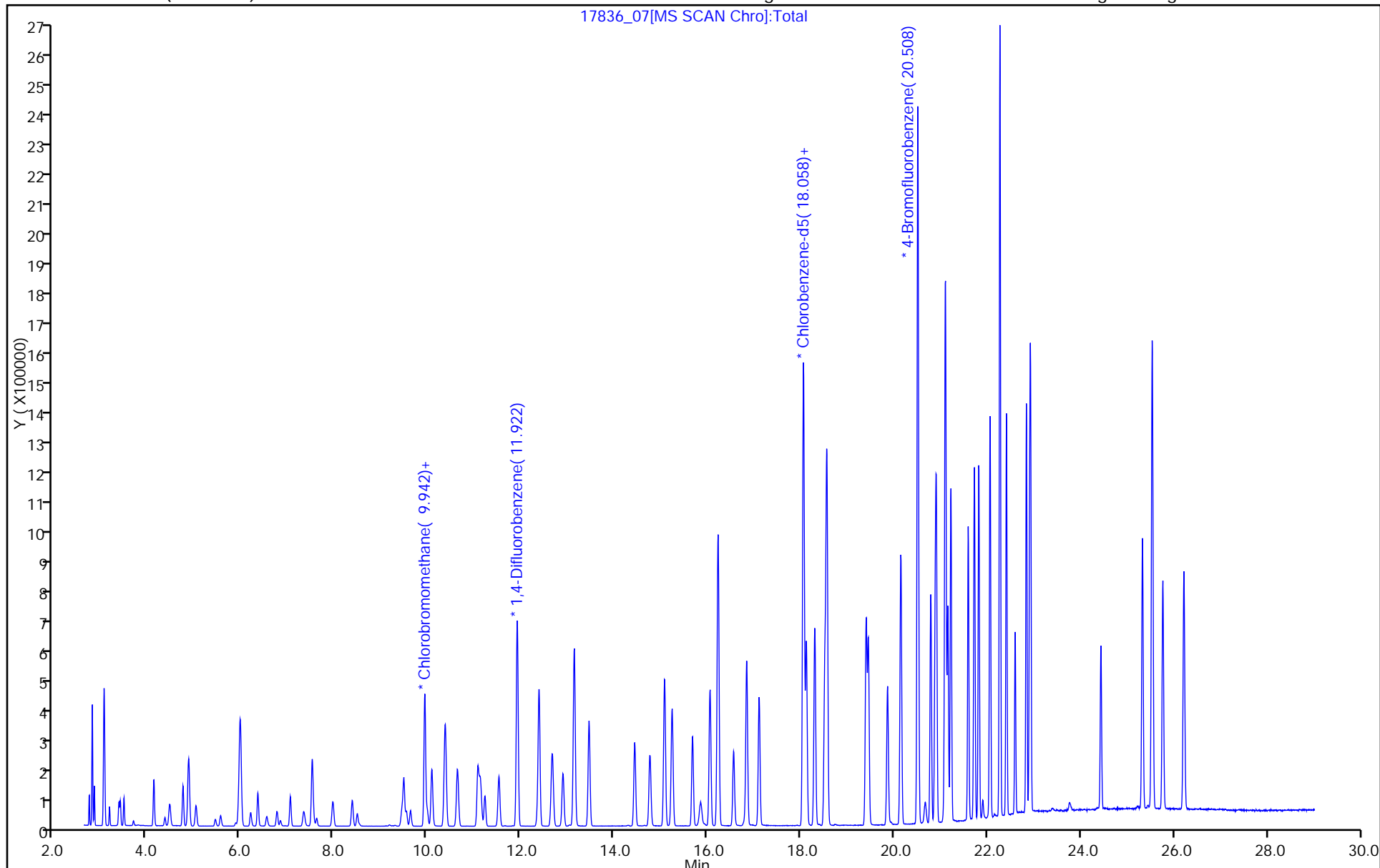
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_08.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 18-Jan-2016 22:10:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-008
 Misc. Info.: ics-05
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:10 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:57:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.747	2.747	0.000	96	69020	10.0	10.4	
2 Dichlorodifluoromethane	85	2.811	2.811	0.000	99	611440	10.0	10.3	
3 Chlorodifluoromethane	51	2.854	2.854	0.000	95	216593	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.063	3.063	0.000	97	523105	10.0	10.2	
5 Chloromethane	50	3.180	3.180	0.000	99	107578	10.0	10.3	
6 Butane	43	3.384	3.384	0.000	95	133177	10.0	9.97	
7 Vinyl chloride	62	3.410	3.410	0.000	98	145456	10.0	9.79	
8 Butadiene	54	3.491	3.491	0.000	92	85234	10.0	10.2	
10 Bromomethane	94	4.133	4.133	0.000	99	220324	10.0	10.2	
11 Chloroethane	64	4.368	4.368	0.000	98	54569	10.0	10.3	
12 2-Methylbutane	43	4.470	4.470	0.000	86	84901	10.0	9.49	
13 Vinyl bromide	106	4.753	4.753	0.000	99	233457	10.0	10.2	
14 Trichlorofluoromethane	101	4.876	4.876	0.000	98	629715	10.0	10.1	
16 Pentane	43	5.037	5.037	0.000	98	124113	10.0	10.1	
17 Ethanol	45	5.443	5.443	0.000	95	45831	15.0	14.4	
18 Ethyl ether	59	5.556	5.556	0.000	95	63150	10.0	10.8	
19 Acrolein	56	5.882	5.882	0.000	97	25791	10.0	11.7	
20 1,1,2-Trichloro-1,2,2-trif	101	5.978	5.978	0.000	97	401013	10.0	10.0	
21 1,1-Dichloroethene	96	5.989	5.989	0.000	92	171197	10.0	10.2	
22 Acetone	43	6.203	6.203	0.000	99	127984	10.0	9.95	
23 Carbon disulfide	76	6.363	6.363	0.000	98	413400	10.0	10.2	
24 Isopropyl alcohol	45	6.545	6.545	0.000	99	98999	10.0	9.86	
25 3-Chloro-1-propene	41	6.770	6.770	0.000	88	96655	10.0	10.9	
26 Acetonitrile	41	6.845	6.845	0.000	98	47803	10.0	10.6	
27 Methylene Chloride	49	7.059	7.059	0.000	79	122036	10.0	9.97	
28 2-Methyl-2-propanol	59	7.337	7.337	0.000	93	186913	10.0	10.1	
31 trans-1,2-Dichloroethene	61	7.524	7.524	0.000	90	186767	10.0	10.3	
29 Methyl tert-butyl ether	73	7.530	7.530	0.000	94	376704	10.0	10.5	
32 Acrylonitrile	53	7.621	7.621	0.000	91	57117	10.0	10.9	
33 Hexane	57	7.974	7.974	0.000	89	133763	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.386	8.386	0.000	99	242959	10.0	10.5	
35 Vinyl acetate	43	8.493	8.493	0.000	99	202472	10.0	10.7	
37 cis-1,2-Dichloroethene	96	9.493	9.493	0.000	83	216611	10.0	10.2	
38 2-Butanone (MEK)	72	9.546	9.546	0.000	97	57123	10.0	10.4	
39 Ethyl acetate	88	9.632	9.632	0.000	98	9093	10.0	10.5	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.5	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	65	227489	10.0	10.0	
41 Tetrahydrofuran	42	9.990	9.990	0.000	74	82541	10.0	10.1	
42 Chloroform	83	10.092	10.092	0.000	94	470663	10.0	10.3	
44 1,1,1-Trichloroethane	97	10.376	10.376	0.000	92	567436	10.0	10.1	
43 Cyclohexane	84	10.386	10.386	0.000	84	214739	10.0	9.92	
45 Carbon tetrachloride	117	10.638	10.638	0.000	97	702040	10.0	11.1	
47 Benzene	78	11.076	11.076	0.000	93	570316	10.0	9.96	
46 Isooctane	57	11.130	11.130	0.000	98	620761	10.0	9.98	
48 1,2-Dichloroethane	62	11.232	11.232	0.000	99	296001	10.0	10.2	
49 n-Heptane	43	11.531	11.531	0.000	82	196474	10.0	9.97	
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1237029	10.0	10.0	
52 n-Butanol	56	12.339	12.339	0.000	86	64533	10.0	9.69	
53 Trichloroethene	95	12.387	12.387	0.000	94	433899	10.0	9.78	
A 51 GRO	1	12.810	(4.460-21.160)		0	119179484	10.0	0	
54 1,2-Dichloropropane	63	12.901	12.901	0.000	89	236885	10.0	10.2	
55 Methyl methacrylate	69	13.125	13.125	0.000	89	201614	10.0	10.6	
57 Dibromomethane	174	13.147	13.147	0.000	89	620623	10.0	9.91	
56 1,4-Dioxane	88	13.158	13.158	0.000	78	120399	10.0	9.61	
58 Dichlorobromomethane	83	13.462	13.462	0.000	97	805282	10.0	10.4	
60 cis-1,3-Dichloropropene	75	14.441	14.441	0.000	86	619469	10.0	10.6	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	210039072	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.762	14.762	0.000	91	438334	10.0	9.90	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	3177571	NC	NC	
65 Toluene	92	15.078	15.078	0.000	93	898813	10.0	10.2	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	2400102	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	81	500500	10.0	9.99	
66 trans-1,3-Dichloropropene	75	15.683	15.683	0.000	91	671645	10.0	10.9	
67 1,1,2-Trichloroethane	83	16.052	16.052	0.000	92	445432	10.0	10.3	
68 Tetrachloroethene	166	16.228	16.228	0.000	95	1164369	10.0	9.89	
69 2-Hexanone	43	16.560	16.560	0.000	98	434825	10.0	9.93	
71 Chlorodibromomethane	129	16.843	16.843	0.000	97	1288391	10.0	11.1	
72 Ethylene Dibromide	107	17.106	17.106	0.000	99	1036839	10.0	10.6	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	1995046	10.0	10.0	
75 Chlorobenzene	112	18.117	18.117	0.000	99	1413532	10.0	10.3	
76 Ethylbenzene	91	18.304	18.304	0.000	96	1884775	10.0	10.3	
77 n-Nonane	57	18.513	18.513	0.000	80	564235	10.0	10.1	
78 m-Xylene & p-Xylene	106	18.561	18.561	0.000	0	1573706	20.0	20.5	
79 o-Xylene	106	19.401	19.401	0.000	97	850402	10.0	10.3	
80 Styrene	104	19.449	19.449	0.000	94	1225291	10.0	10.9	
S 73 Xylenes, Total	106				0		30.0	30.7	
81 Bromoform	173	19.861	19.861	0.000	98	1138922	10.0	12.1	
82 Isopropylbenzene	105	20.144	20.144	0.000	94	2297975	10.0	10.3	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	96	1222055	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	1099314	10.0	10.3	
86 1,2,3-Trichloropropane	75	20.882	20.882	0.000	94	769537	10.0	10.4	
85 N-Propylbenzene	91	20.909	20.909	0.000	99	2480448	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	96	1746627	10.0	10.3	
88 4-Ethyltoluene	105	21.107	21.107	0.000	97	2188502	10.0	10.4	
87 n-Decane	57	21.150	21.150	0.000	90	719322	10.0	10.5	
90 1,3,5-Trimethylbenzene	105	21.220	21.220	0.000	95	1996188	10.0	10.6	
91 Alpha Methyl Styrene	118	21.589	21.589	0.000	93	1071773	10.0	11.5	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	2008527	10.0	10.5	
93 1,2,4-Trimethylbenzene	105	21.819	21.819	0.000	95	2052337	10.0	10.8	
94 sec-Butylbenzene	105	22.059	22.059	0.000	99	2876590	10.0	10.6	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	97	2399408	10.0	10.6	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	92	1622094	10.0	10.8	
97 1,4-Dichlorobenzene	146	22.407	22.407	0.000	97	1750582	10.0	10.9	
98 Benzyl chloride	91	22.594	22.594	0.000	100	1589140	10.0	11.9	
100 n-Butylbenzene	91	22.835	22.835	0.000	98	2029786	10.0	10.6	
99 Undecane	57	22.905	22.905	0.000	88	739441	10.0	11.3	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	99	1580121	10.0	10.5	
102 Dodecane	57	24.435	24.435	0.000	94	660288	10.0	11.8	
103 1,2,4-Trichlorobenzene	180	25.323	25.323	0.000	93	1195342	10.0	10.9	
104 Hexachlorobutadiene	225	25.537	25.537	0.000	98	1172241	10.0	10.8	
105 Naphthalene	128	25.761	25.761	0.000	99	2300941	10.0	10.5	
106 1,2,3-Trichlorobenzene	180	26.211	26.211	0.000	96	1130258	10.0	10.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00529

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_08.D

Injection Date: 18-Jan-2016 22:10:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: icis

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

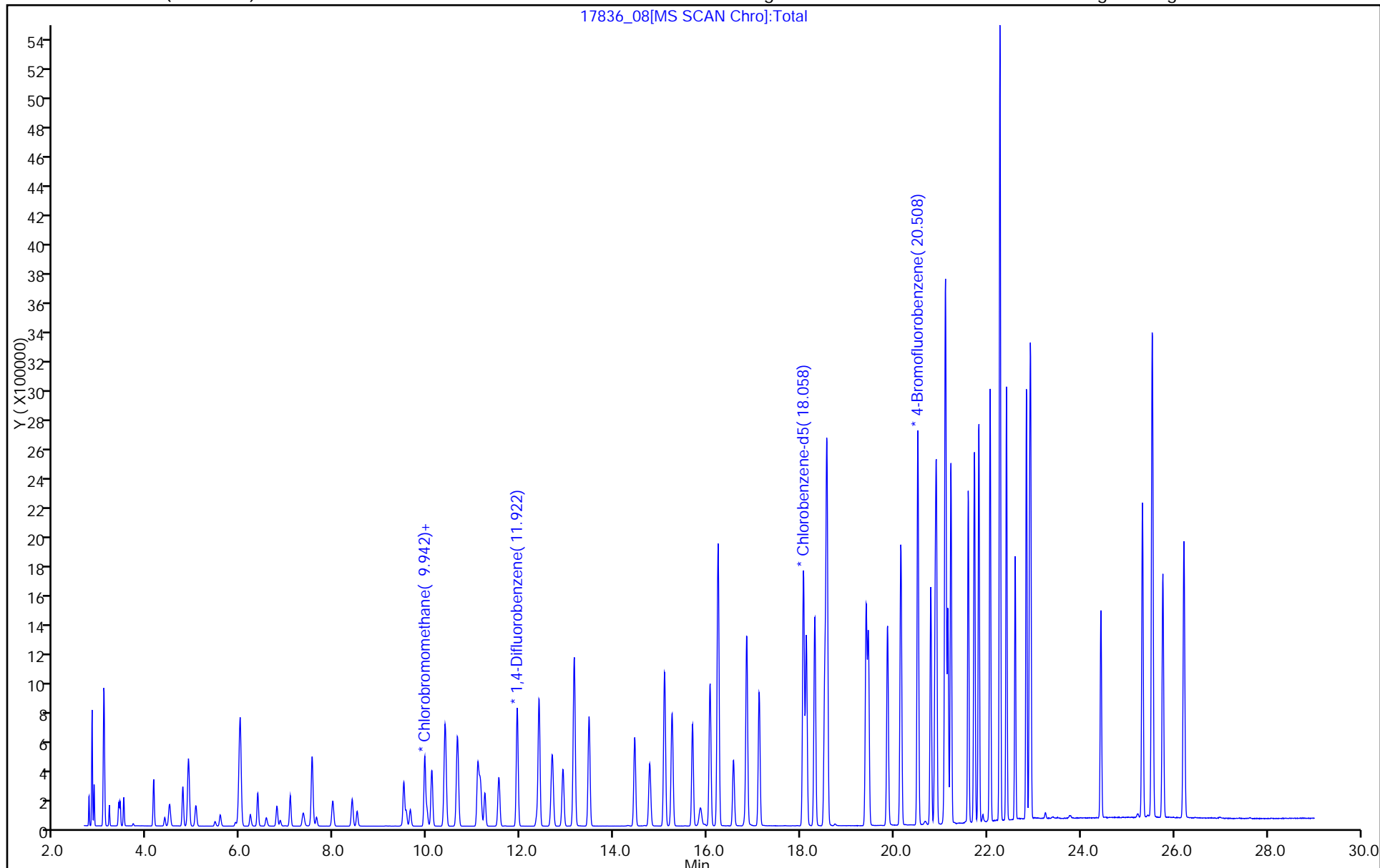
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_09.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 18-Jan-2016 23:02:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-009
 Misc. Info.: ic-06
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:14 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:47:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.742	2.747	-0.005	96	100119	15.0	14.6	
2 Dichlorodifluoromethane	85	2.811	2.811	0.000	99	872875	15.0	14.2	
3 Chlorodifluoromethane	51	2.854	2.854	0.000	95	317395	15.0	14.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.063	3.063	0.000	99	748826	15.0	14.1	
5 Chloromethane	50	3.180	3.180	0.000	98	153685	15.0	14.2	
6 Butane	43	3.384	3.384	0.000	95	194111	15.0	14.1	
7 Vinyl chloride	62	3.410	3.410	0.000	98	213535	15.0	13.9	
8 Butadiene	54	3.491	3.491	-0.001	90	123667	15.0	14.4	
10 Bromomethane	94	4.132	4.133	-0.001	98	318760	15.0	14.3	
11 Chloroethane	64	4.368	4.368	0.000	99	79878	15.0	14.6	
12 2-Methylbutane	43	4.475	4.470	0.005	86	124070	15.0	13.4	
13 Vinyl bromide	106	4.758	4.753	0.005	98	341541	15.0	14.4	
14 Trichlorofluoromethane	101	4.876	4.876	0.000	98	908056	15.0	14.0	
16 Pentane	43	5.037	5.037	0.000	98	179321	15.0	14.1	
17 Ethanol	45	5.448	5.443	0.005	95	74273	20.0	22.6	
18 Ethyl ether	59	5.555	5.556	-0.001	94	91932	15.0	15.2	
19 Acrolein	56	5.882	5.882	0.000	97	28605	15.0	12.6	
20 1,1,2-Trichloro-1,2,2-trif	101	5.978	5.978	0.000	98	578159	15.0	14.0	
21 1,1-Dichloroethene	96	5.989	5.989	0.000	92	244942	15.0	14.1	
22 Acetone	43	6.203	6.203	0.000	99	197852	15.0	14.9	
23 Carbon disulfide	76	6.363	6.363	0.000	98	614874	15.0	14.7	
24 Isopropyl alcohol	45	6.545	6.545	0.000	100	148395	15.0	14.3	
25 3-Chloro-1-propene	41	6.770	6.770	0.000	89	128608	15.0	14.0	
26 Acetonitrile	41	6.845	6.845	0.000	98	65777	15.0	14.0	
27 Methylene Chloride	49	7.059	7.059	0.000	79	174149	15.0	13.8	
28 2-Methyl-2-propanol	59	7.337	7.337	0.000	92	275940	15.0	14.4	
31 trans-1,2-Dichloroethene	61	7.524	7.524	0.000	93	270793	15.0	14.4	
29 Methyl tert-butyl ether	73	7.524	7.530	-0.006	94	537920	15.0	14.6	
32 Acrylonitrile	53	7.620	7.621	-0.001	92	82028	15.0	15.2	
33 Hexane	57	7.968	7.974	-0.006	89	196487	15.0	14.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.385	8.386	-0.001	99	355929	15.0	14.9	
35 Vinyl acetate	43	8.492	8.493	-0.001	99	288663	15.0	14.8	
37 cis-1,2-Dichloroethene	96	9.493	9.493	0.000	83	314452	15.0	14.4	
38 2-Butanone (MEK)	72	9.541	9.546	-0.005	97	84673	15.0	14.9	
39 Ethyl acetate	88	9.632	9.632	0.000	98	13012	15.0	14.6	
S 30 1,2-Dichloroethene, Total	61				0		30.0	28.8	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	65	235115	10.0	10.0	
41 Tetrahydrofuran	42	9.985	9.990	-0.005	73	119422	15.0	13.4	
42 Chloroform	83	10.092	10.092	0.000	94	677528	15.0	14.4	
44 1,1,1-Trichloroethane	97	10.381	10.376	0.005	92	809615	15.0	13.2	
43 Cyclohexane	84	10.381	10.386	-0.005	55	309817	15.0	13.2	
45 Carbon tetrachloride	117	10.643	10.638	0.005	97	966035	15.0	14.1	
47 Benzene	78	11.076	11.076	0.000	93	818344	15.0	13.1	
46 Isooctane	57	11.130	11.130	0.000	98	881798	15.0	13.0	
48 1,2-Dichloroethane	62	11.232	11.232	0.000	99	427160	15.0	13.5	
49 n-Heptane	43	11.526	11.531	-0.005	82	278537	15.0	13.0	
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1346317	10.0	10.0	
52 n-Butanol	56	12.334	12.339	-0.005	85	92523	15.0	12.8	
53 Trichloroethene	95	12.392	12.387	0.005	94	609191	15.0	12.6	
A 51 GRO	1	12.810	(4.460-21.160)		0	170394839	15.0	0	
54 1,2-Dichloropropane	63	12.901	12.901	0.000	89	335438	15.0	13.3	
55 Methyl methacrylate	69	13.131	13.125	0.006	89	285487	15.0	13.8	
57 Dibromomethane	174	13.147	13.147	0.000	91	859817	15.0	12.6	
56 1,4-Dioxane	88	13.157	13.158	-0.001	80	171422	15.0	12.6	
58 Dichlorobromomethane	83	13.462	13.462	0.000	97	1173229	15.0	14.0	
60 cis-1,3-Dichloropropene	75	14.441	14.441	0.000	86	875199	15.0	13.7	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	292725830	15.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.762	14.762	0.000	91	604885	15.0	12.6	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	4385557	NC	NC	
65 Toluene	92	15.083	15.078	0.005	94	1247225	15.0	13.8	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	3367604	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	80	693286	15.0	12.7	
66 trans-1,3-Dichloropropene	75	15.682	15.683	-0.001	91	929856	15.0	13.8	
67 1,1,2-Trichloroethane	83	16.057	16.052	0.005	92	616638	15.0	13.9	
68 Tetrachloroethene	166	16.228	16.228	0.000	95	1625923	15.0	13.4	
69 2-Hexanone	43	16.554	16.560	-0.006	98	588161	15.0	13.0	
71 Chlorodibromomethane	129	16.843	16.843	0.000	97	1879365	15.0	15.8	
72 Ethylene Dibromide	107	17.111	17.106	0.005	99	1447835	15.0	14.4	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	2056852	10.0	10.0	
75 Chlorobenzene	112	18.122	18.117	0.005	99	1965423	15.0	13.9	
76 Ethylbenzene	91	18.298	18.304	-0.006	96	2630920	15.0	13.9	
77 n-Nonane	57	18.518	18.513	0.005	80	769475	15.0	13.4	
78 m-Xylene & p-Xylene	106	18.561	18.561	0.000	0	2159205	30.0	27.2	
79 o-Xylene	106	19.406	19.401	0.005	98	1184048	15.0	13.9	
80 Styrene	104	19.449	19.449	0.000	93	1755731	15.0	15.1	
S 73 Xylenes, Total	106				0		45.0	41.1	
81 Bromoform	173	19.861	19.861	0.000	98	1767577	15.0	18.2	
82 Isopropylbenzene	105	20.144	20.144	0.000	94	3197966	15.0	13.8	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	96	1272118	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	1513273	15.0	13.8	
86 1,2,3-Trichloropropane	75	20.882	20.882	0.000	94	1056133	15.0	13.8	
85 N-Propylbenzene	91	20.909	20.909	0.000	99	3410967	15.0	13.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	2436704	15.0	13.9	
88 4-Ethyltoluene	105	21.107	21.107	0.000	97	3025531	15.0	14.0	
87 n-Decane	57	21.155	21.150	0.005	90	984862	15.0	13.9	
90 1,3,5-Trimethylbenzene	105	21.219	21.220	-0.001	94	2742340	15.0	14.1	
91 Alpha Methyl Styrene	118	21.589	21.589	0.000	93	1506584	15.0	15.6	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	2765933	15.0	14.0	
93 1,2,4-Trimethylbenzene	105	21.819	21.819	0.000	95	2800117	15.0	14.3	
94 sec-Butylbenzene	105	22.059	22.059	0.000	99	3886530	15.0	13.9	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	98	3197127	15.0	13.6	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	93	2119972	15.0	13.6	
97 1,4-Dichlorobenzene	146	22.412	22.407	0.005	97	2352399	15.0	14.1	
98 Benzyl chloride	91	22.594	22.594	0.000	100	2081386	15.0	15.1	
100 n-Butylbenzene	91	22.835	22.835	0.000	97	2766806	15.0	14.0	
99 Undecane	57	22.905	22.905	0.000	90	967945	15.0	14.3	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	99	2137500	15.0	13.7	
102 Dodecane	57	24.435	24.435	0.000	94	910182	15.0	15.7	
103 1,2,4-Trichlorobenzene	180	25.323	25.323	0.000	93	1572798	15.0	13.9	
104 Hexachlorobutadiene	225	25.531	25.537	-0.006	98	1515319	15.0	13.5	
105 Naphthalene	128	25.761	25.761	0.000	99	2976237	15.0	13.2	
106 1,2,3-Trichlorobenzene	180	26.216	26.211	0.005	96	1512769	15.0	13.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00059

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_09.D

Injection Date: 18-Jan-2016 23:02:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

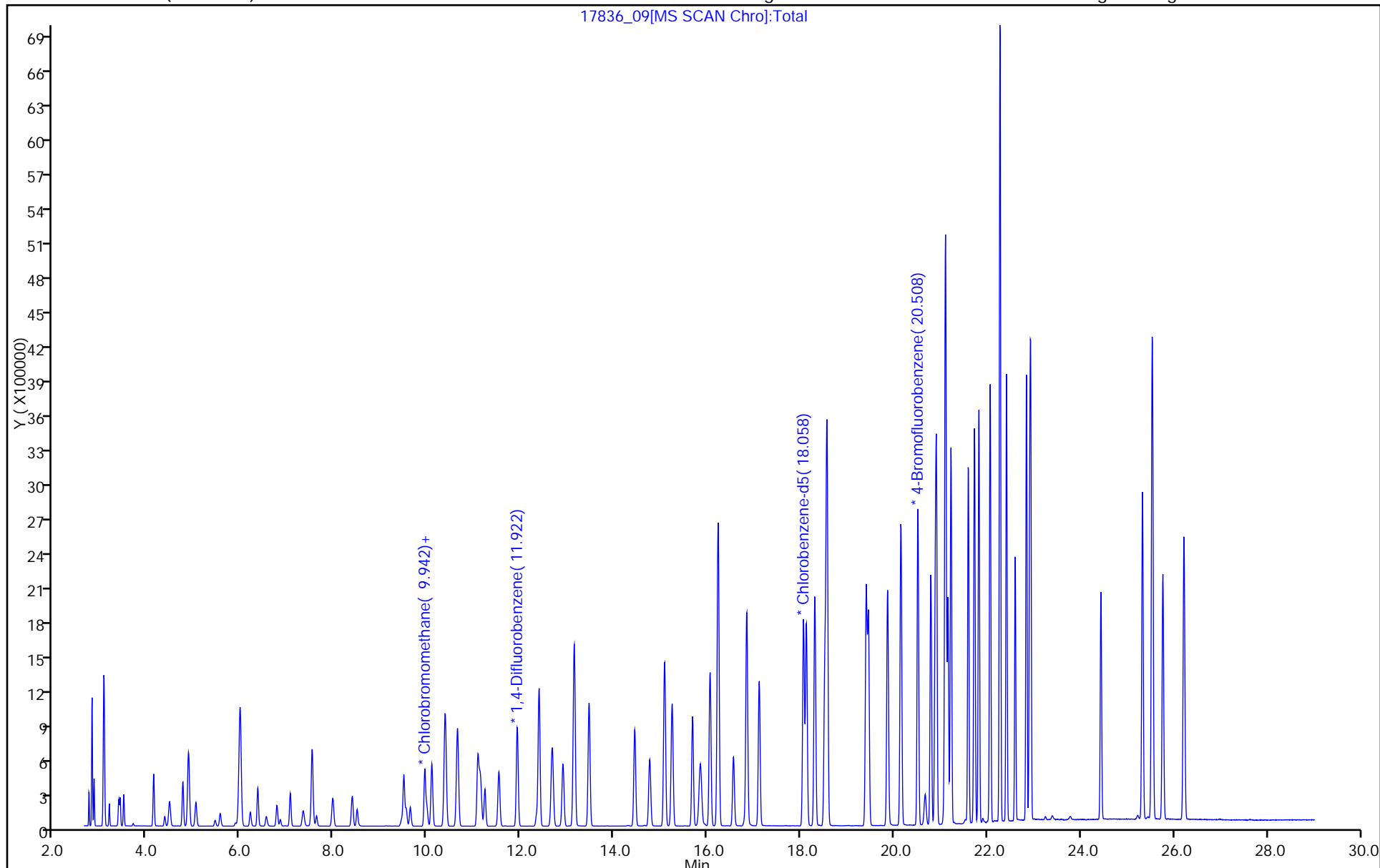
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_10.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 18-Jan-2016 23:53:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-010
 Misc. Info.: ic-07
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:18 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:47:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.747	2.747	0.000	96	134057	20.0	19.8	
2 Dichlorodifluoromethane	85	2.811	2.811	0.000	99	1180743	20.0	19.5	
3 Chlorodifluoromethane	51	2.854	2.854	0.000	95	424158	20.0	19.8	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	98	1013308	20.0	19.3	
5 Chloromethane	50	3.180	3.180	0.000	98	208918	20.0	19.5	
6 Butane	43	3.384	3.384	0.000	95	260032	20.0	19.0	
7 Vinyl chloride	62	3.416	3.410	0.006	98	283601	20.0	18.6	
8 Butadiene	54	3.491	3.491	0.000	90	168607	20.0	19.8	
10 Bromomethane	94	4.133	4.133	0.000	99	435969	20.0	19.8	
11 Chloroethane	64	4.373	4.368	0.005	99	111218	20.0	20.5	
12 2-Methylbutane	43	4.475	4.470	0.005	86	169919	20.0	18.5	
13 Vinyl bromide	106	4.758	4.753	0.005	98	466971	20.0	19.9	
14 Trichlorofluoromethane	101	4.882	4.876	0.006	98	1224948	20.0	19.1	
16 Pentane	43	5.037	5.037	0.000	98	247252	20.0	19.6	
17 Ethanol	45	5.454	5.443	0.011	95	124315	40.0	38.2	
18 Ethyl ether	59	5.561	5.556	0.005	95	125215	20.0	20.9	
19 Acrolein	56	5.887	5.882	0.005	97	45467	20.0	20.2	
20 1,1,2-Trichloro-1,2,2-trif	101	5.984	5.978	0.006	98	794568	20.0	19.4	
21 1,1-Dichloroethene	96	5.994	5.989	0.005	92	339402	20.0	19.7	
22 Acetone	43	6.203	6.203	0.000	99	243019	20.0	18.5	
23 Carbon disulfide	76	6.363	6.363	0.000	98	841210	20.0	20.3	
24 Isopropyl alcohol	45	6.551	6.545	0.006	100	202094	20.0	19.7	
25 3-Chloro-1-propene	41	6.775	6.770	0.005	89	193750	20.0	21.3	
26 Acetonitrile	41	6.850	6.845	0.005	97	93799	20.0	20.2	
27 Methylene Chloride	49	7.064	7.059	0.005	78	242527	20.0	19.4	
28 2-Methyl-2-propanol	59	7.337	7.337	0.000	92	376709	20.0	19.8	
31 trans-1,2-Dichloroethene	61	7.530	7.524	0.006	89	377020	20.0	20.2	
29 Methyl tert-butyl ether	73	7.530	7.530	0.000	94	739259	20.0	20.2	
32 Acrylonitrile	53	7.626	7.621	0.005	92	112666	20.0	21.0	
33 Hexane	57	7.974	7.974	0.000	89	273235	20.0	20.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.391	8.386	0.005	99	486995	20.0	20.5	
35 Vinyl acetate	43	8.498	8.493	0.005	99	399163	20.0	20.7	
37 cis-1,2-Dichloroethene	96	9.498	9.493	0.005	82	439196	20.0	20.3	
38 2-Butanone (MEK)	72	9.552	9.546	0.006	97	112428	20.0	20.0	
39 Ethyl acetate	88	9.632	9.632	0.000	98	17896	20.0	20.3	
S 30 1,2-Dichloroethene, Total	61				0		40.0	40.5	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	69	232873	10.0	10.0	
41 Tetrahydrofuran	42	9.985	9.990	-0.005	73	161994	20.0	21.3	
42 Chloroform	83	10.098	10.092	0.006	95	943182	20.0	20.2	
44 1,1,1-Trichloroethane	97	10.381	10.376	0.005	92	1124791	20.0	21.5	
43 Cyclohexane	84	10.386	10.386	0.000	87	427879	20.0	21.3	
45 Carbon tetrachloride	117	10.643	10.638	0.005	97	1377990	20.0	23.6	
47 Benzene	78	11.082	11.076	0.006	93	1111423	20.0	20.9	
46 Isooctane	57	11.130	11.130	0.000	98	1219569	20.0	21.2	
48 1,2-Dichloroethane	62	11.232	11.232	0.000	99	580562	20.0	21.5	
49 n-Heptane	43	11.531	11.531	0.000	81	382087	20.0	20.9	
* 50 1,4-Difluorobenzene	114	11.927	11.922	0.005	91	1146447	10.0	10.0	
52 n-Butanol	56	12.339	12.339	0.000	85	129077	20.0	20.9	
53 Trichloroethene	95	12.393	12.387	0.006	94	869706	20.0	21.2	
A 51 GRO	1	12.810	(4.460-21.160)		0	218778587	20.0	0	
54 1,2-Dichloropropane	63	12.906	12.901	0.005	88	448444	20.0	20.9	
55 Methyl methacrylate	69	13.131	13.125	0.006	89	377973	20.0	21.4	
57 Dibromomethane	174	13.152	13.147	0.005	91	1202227	20.0	20.7	
56 1,4-Dioxane	88	13.158	13.158	0.000	78	225154	20.0	19.4	
58 Dichlorobromomethane	83	13.468	13.462	0.006	97	1558843	20.0	21.8	
60 cis-1,3-Dichloropropene	75	14.441	14.441	0.000	86	1174204	20.0	21.6	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	384635901	20.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.762	14.762	0.000	93	826562	20.0	20.1	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	5869908	NC	NC	
65 Toluene	92	15.083	15.078	0.005	94	1668883	20.0	19.6	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	4463662	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	79	915461	20.0	19.7	
66 trans-1,3-Dichloropropene	75	15.683	15.683	0.000	91	1261433	20.0	22.1	
67 1,1,2-Trichloroethane	83	16.057	16.052	0.005	92	830116	20.0	19.9	
68 Tetrachloroethene	166	16.234	16.228	0.006	95	2208478	20.0	19.4	
69 2-Hexanone	43	16.560	16.560	0.000	97	813308	20.0	19.2	
71 Chlorodibromomethane	129	16.843	16.843	0.000	97	2458742	20.0	21.9	
72 Ethylene Dibromide	107	17.111	17.106	0.005	99	1976581	20.0	20.9	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	1932199	10.0	10.0	
75 Chlorobenzene	112	18.122	18.117	0.005	99	2642781	20.0	19.9	
76 Ethylbenzene	91	18.304	18.304	0.000	96	3590616	20.0	20.3	
77 n-Nonane	57	18.518	18.513	0.005	79	1050154	20.0	19.5	
78 m-Xylene & p-Xylene	106	18.561	18.561	0.000	0	2926958	40.0	39.3	
79 o-Xylene	106	19.406	19.401	0.005	97	1612263	20.0	20.1	
80 Styrene	104	19.454	19.449	0.005	93	2283924	20.0	20.9	
S 73 Xylenes, Total	106				0		60.0	59.4	
81 Bromoform	173	19.861	19.861	0.000	98	2077690	20.0	22.8	
82 Isopropylbenzene	105	20.144	20.144	0.000	94	4398912	20.0	20.3	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	95	1225840	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	2010181	20.0	19.5	
86 1,2,3-Trichloropropane	75	20.883	20.882	0.000	94	1395326	20.0	19.4	
85 N-Propylbenzene	91	20.909	20.909	0.000	99	4428336	20.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	3076110	20.0	18.7	
88 4-Ethyltoluene	105	21.107	21.107	0.000	98	3826174	20.0	18.9	
87 n-Decane	57	21.155	21.150	0.005	90	1254850	20.0	18.9	
90 1,3,5-Trimethylbenzene	105	21.220	21.220	0.000	95	3715191	20.0	20.3	
91 Alpha Methyl Styrene	118	21.594	21.589	0.005	93	1974859	20.0	21.8	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	3759750	20.0	20.3	
93 1,2,4-Trimethylbenzene	105	21.819	21.819	0.000	95	3636086	20.0	19.8	
94 sec-Butylbenzene	105	22.059	22.059	0.000	99	5201323	20.0	19.8	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	97	4241635	20.0	19.3	
96 1,3-Dichlorobenzene	146	22.279	22.273	0.006	93	2636164	20.0	18.0	
97 1,4-Dichlorobenzene	146	22.413	22.407	0.006	97	2953212	20.0	18.9	
98 Benzyl chloride	91	22.594	22.594	0.000	99	2795719	20.0	21.6	
100 n-Butylbenzene	91	22.835	22.835	0.000	97	3659492	20.0	19.8	
99 Undecane	57	22.905	22.905	0.000	90	1252678	20.0	19.7	
101 1,2-Dichlorobenzene	146	22.931	22.926	0.005	99	2809743	20.0	19.2	
102 Dodecane	57	24.435	24.435	0.000	97	1137859	20.0	20.9	
103 1,2,4-Trichlorobenzene	180	25.323	25.323	0.000	93	1956464	20.0	18.5	
104 Hexachlorobutadiene	225	25.537	25.537	0.000	98	2006556	20.0	19.1	
105 Naphthalene	128	25.761	25.761	0.000	99	3465944	20.0	16.4	
106 1,2,3-Trichlorobenzene	180	26.216	26.211	0.005	96	2039636	20.0	19.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00117

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_10.D

Injection Date: 18-Jan-2016 23:53:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

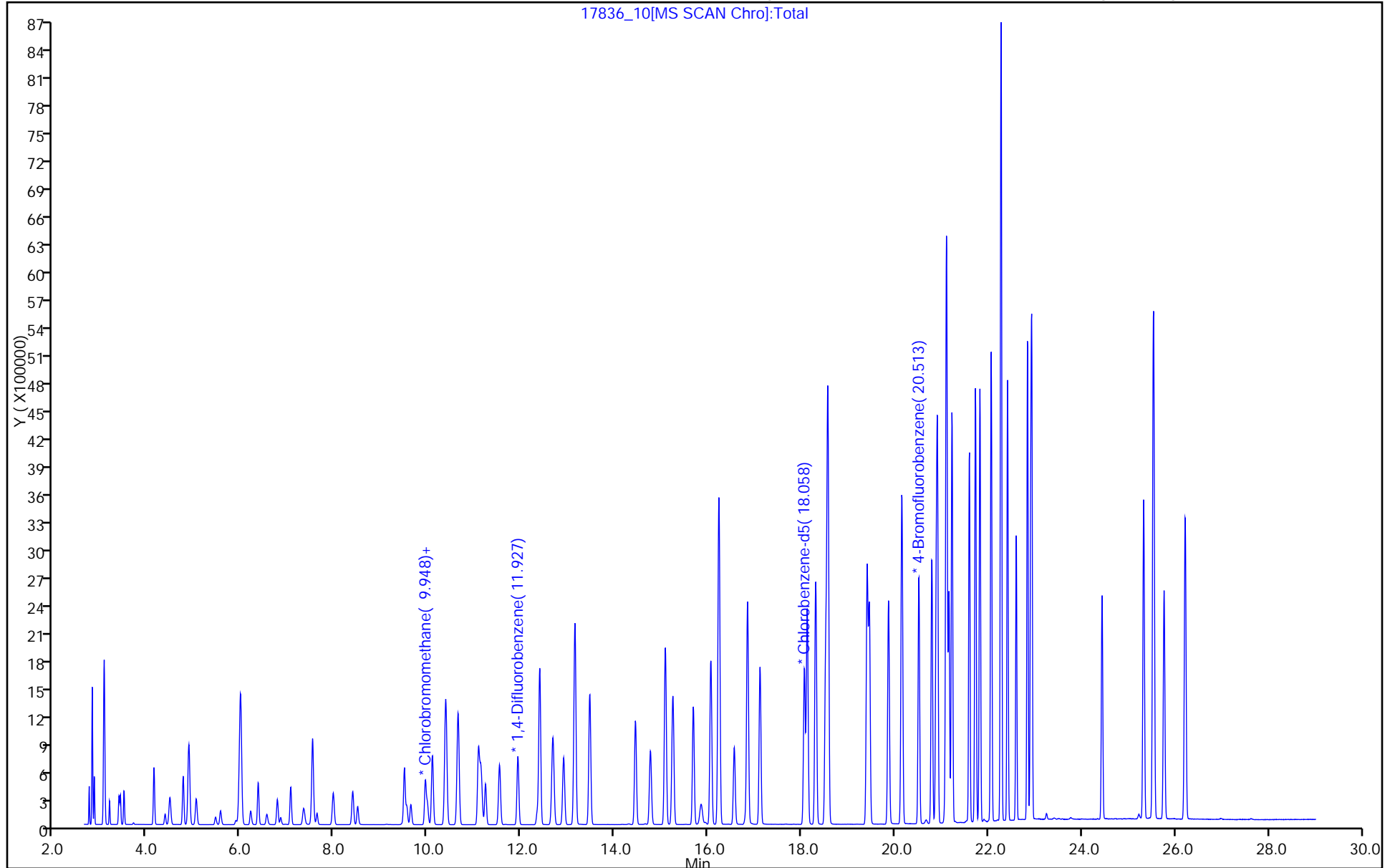
ALS Bottle#: 9

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 19-Jan-2016 00:44:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-011
 Misc. Info.: ic-08
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:21 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 08:48:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.752	2.747	0.005	96	261545	40.0	35.2	
2 Dichlorodifluoromethane	85	2.816	2.811	0.005	99	2214561	40.0	33.3	
3 Chlorodifluoromethane	51	2.859	2.854	0.005	95	833735	40.0	35.5	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	96	1933832	40.0	33.5	
5 Chloromethane	50	3.186	3.180	0.006	98	408090	40.0	34.7	
6 Butane	43	3.389	3.384	0.005	95	509183	40.0	34.0	
7 Vinyl chloride	62	3.421	3.410	0.011	97	550266	40.0	33.0	
8 Butadiene	54	3.496	3.491	0.005	90	332107	40.0	35.6	
10 Bromomethane	94	4.138	4.133	0.005	99	838270	40.0	34.7	
11 Chloroethane	64	4.379	4.368	0.011	98	216414	40.0	36.5	
12 2-Methylbutane	43	4.480	4.470	0.010	86	331257	40.0	33.0	
13 Vinyl bromide	106	4.764	4.753	0.011	98	936160	40.0	36.4	
14 Trichlorofluoromethane	101	4.887	4.876	0.011	99	2389608	40.0	34.0	
16 Pentane	43	5.042	5.037	0.005	98	490216	40.0	35.5	
17 Ethanol	45	5.465	5.443	0.022	94	303196	100.0	85.1	
18 Ethyl ether	59	5.561	5.556	0.005	95	249988	40.0	38.1	
19 Acrolein	56	5.893	5.882	0.011	97	90258	40.0	36.6	
20 1,1,2-Trichloro-1,2,2-trif	101	5.983	5.978	0.005	99	1536992	40.0	34.3	
21 1,1-Dichloroethene	96	5.994	5.989	0.005	92	659433	40.0	34.9	
22 Acetone	43	6.208	6.203	0.005	98	497919	40.0	34.5	
23 Carbon disulfide	76	6.369	6.363	0.006	98	1672184	40.0	36.8	
24 Isopropyl alcohol	45	6.561	6.545	0.016	100	406523	40.0	36.1	
25 3-Chloro-1-propene	41	6.781	6.770	0.011	88	362222	40.0	36.4	
26 Acetonitrile	41	6.850	6.845	0.005	99	187452	40.0	36.9	
27 Methylene Chloride	49	7.064	7.059	0.005	79	478322	40.0	34.8	
28 2-Methyl-2-propanol	59	7.348	7.337	0.011	92	759872	40.0	36.5	
31 trans-1,2-Dichloroethene	61	7.535	7.524	0.011	92	737581	40.0	36.1	
29 Methyl tert-butyl ether	73	7.530	7.530	0.000	94	1488502	40.0	37.1	
32 Acrylonitrile	53	7.631	7.621	0.010	91	237585	40.0	40.4	
33 Hexane	57	7.979	7.974	0.005	89	542133	40.0	37.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.396	8.386	0.010	99	976039	40.0	37.6	
35 Vinyl acetate	43	8.498	8.493	0.005	99	831398	40.0	39.3	
37 cis-1,2-Dichloroethene	96	9.498	9.493	0.005	82	869293	40.0	36.7	
38 2-Butanone (MEK)	72	9.552	9.546	0.006	96	236094	40.0	38.2	
39 Ethyl acetate	88	9.637	9.632	0.005	98	37340	40.0	38.6	
S 30 1,2-Dichloroethene, Total	61				0		80.0	72.8	
* 40 Chlorobromomethane	128	9.948	9.942	0.006	65	255199	10.0	10.0	
41 Tetrahydrofuran	42	9.990	9.990	0.000	73	335333	40.0	36.8	
42 Chloroform	83	10.097	10.092	0.005	95	1863762	40.0	36.4	
44 1,1,1-Trichloroethane	97	10.386	10.376	0.010	93	2186056	40.0	34.9	
43 Cyclohexane	84	10.386	10.386	0.000	85	857665	40.0	35.7	
45 Carbon tetrachloride	117	10.648	10.638	0.010	97	2715654	40.0	38.7	
47 Benzene	78	11.087	11.076	0.011	93	2275286	40.0	35.8	
46 Isooctane	57	11.135	11.130	0.005	98	2429235	40.0	35.2	
48 1,2-Dichloroethane	62	11.237	11.232	0.005	99	1195437	40.0	36.9	
49 n-Heptane	43	11.536	11.531	0.005	79	758204	40.0	34.6	
* 50 1,4-Difluorobenzene	114	11.932	11.922	0.010	91	1374132	10.0	10.0	
52 n-Butanol	56	12.344	12.339	0.005	84	260703	40.0	35.2	
53 Trichloroethene	95	12.398	12.387	0.011	94	1670616	40.0	33.9	
A 51 GRO	1	12.810	(4.460-21.160)		0	420698903	40.0	0	
54 1,2-Dichloropropane	63	12.911	12.901	0.010	88	918270	40.0	35.7	
55 Methyl methacrylate	69	13.131	13.125	0.006	87	758479	40.0	35.9	
57 Dibromomethane	174	13.157	13.147	0.010	92	2221333	40.0	31.9	
56 1,4-Dioxane	88	13.163	13.158	0.005	79	431027	40.0	31.0	
58 Dichlorobromomethane	83	13.468	13.462	0.006	97	3103692	40.0	36.3	
60 cis-1,3-Dichloropropene	75	14.447	14.441	0.006	86	2351885	40.0	36.2	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	733650593	40.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.768	14.762	0.006	90	1683969	40.0	34.2	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	11409923	NC	NC	
65 Toluene	92	15.089	15.078	0.011	94	3262793	40.0	34.5	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	8516551	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	78	1703083	40.0	30.6	
66 trans-1,3-Dichloropropene	75	15.688	15.683	0.005	91	2550650	40.0	37.2	
67 1,1,2-Trichloroethane	83	16.062	16.052	0.010	92	1617326	40.0	34.9	
68 Tetrachloroethene	166	16.234	16.228	0.006	97	4098328	40.0	32.4	
69 2-Hexanone	43	16.560	16.560	0.000	98	1627200	40.0	34.5	
71 Chlorodibromomethane	129	16.843	16.843	0.000	97	4743725	40.0	38.1	
72 Ethylene Dibromide	107	17.116	17.106	0.010	100	3843355	40.0	36.6	
* 74 Chlorobenzene-d5	117	18.063	18.058	0.005	79	2145644	10.0	10.0	
75 Chlorobenzene	112	18.122	18.117	0.005	99	5145174	40.0	34.8	
76 Ethylbenzene	91	18.309	18.304	0.005	96	6731765	40.0	34.2	
77 n-Nonane	57	18.518	18.513	0.005	78	1789008	40.0	29.9	
78 m-Xylene & p-Xylene	106	18.566	18.561	0.005	0	5303910	80.0	64.1	
79 o-Xylene	106	19.411	19.401	0.010	97	3115199	40.0	35.0	
80 Styrene	104	19.454	19.449	0.005	94	4711594	40.0	38.9	
S 73 Xylenes, Total	106				0		120.0	99.2	
81 Bromoform	173	19.866	19.861	0.005	98	4000111	40.0	39.6	
82 Isopropylbenzene	105	20.149	20.144	0.005	94	8257399	40.0	34.3	
* 83 4-Bromofluorobenzene	95	20.513	20.508	0.005	95	1326675	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.791	20.786	0.005	97	3751104	40.0	32.7	
86 1,2,3-Trichloropropane	75	20.882	20.882	0.000	93	2523176	40.0	31.6	
85 N-Propylbenzene	91	20.915	20.909	0.005	99	8111121	40.0	31.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	5565470	40.0	30.5	
88 4-Ethyltoluene	105	21.112	21.107	0.005	97	7065695	40.0	31.4	
87 n-Decane	57	21.155	21.150	0.005	89	2183692	40.0	29.6	
90 1,3,5-Trimethylbenzene	105	21.225	21.220	0.005	95	6949675	40.0	34.2	
91 Alpha Methyl Styrene	118	21.594	21.589	0.005	93	3908314	40.0	38.9	
92 tert-Butylbenzene	119	21.728	21.722	0.006	94	6747583	40.0	32.7	
93 1,2,4-Trimethylbenzene	105	21.824	21.819	0.005	95	6861429	40.0	33.6	
94 sec-Butylbenzene	105	22.065	22.059	0.006	98	9318859	40.0	32.0	
95 4-Isopropyltoluene	119	22.273	22.268	0.005	97	7332312	40.0	30.0	
96 1,3-Dichlorobenzene	146	22.279	22.273	0.006	95	4788678	40.0	29.5	
97 1,4-Dichlorobenzene	146	22.412	22.407	0.005	96	5884201	40.0	33.9	
98 Benzyl chloride	91	22.600	22.594	0.006	99	5620258	40.0	39.1	
100 n-Butylbenzene	91	22.840	22.835	0.005	97	6579644	40.0	32.0	
99 Undecane	57	22.905	22.905	0.000	89	2037955	40.0	28.9	
101 1,2-Dichlorobenzene	146	22.931	22.926	0.005	98	4958294	40.0	30.5	
102 Dodecane	57	24.435	24.435	0.000	93	1785995	40.0	29.6	
103 1,2,4-Trichlorobenzene	180	25.328	25.323	0.005	94	4389895	40.0	37.3	
104 Hexachlorobutadiene	225	25.537	25.537	0.000	96	3156736	40.0	27.0	
105 Naphthalene	128	25.767	25.761	0.006	99	9246589	40.0	39.4	
106 1,2,3-Trichlorobenzene	180	26.216	26.211	0.005	96	4083878	40.0	35.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00060

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D

Injection Date: 19-Jan-2016 00:44:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

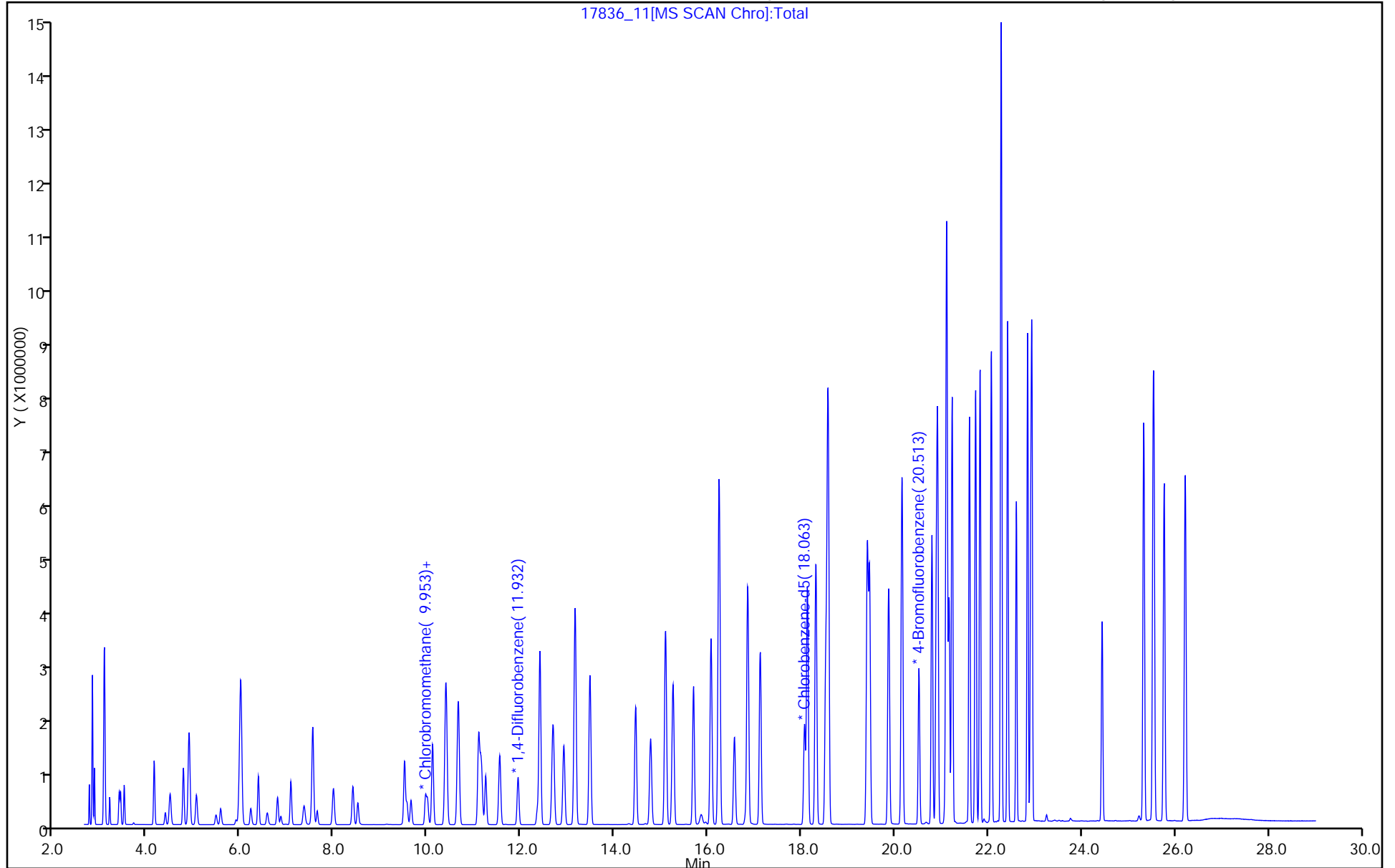
ALS Bottle#: 10

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Burlington Job No.: 200-31641-1 Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97814/3	17105_03.D
Level 2	IC 200-97814/4	17105_04.D
Level 3	IC 200-97814/5	17105_05.D
Level 4	IC 200-97814/6	17105_06.D
Level 5	ICIS 200-97814/7	17105_07.D
Level 6	IC 200-97814/8	17105_08.D
Level 7	IC 200-97814/9	17105_09.D
Level 8	IC 200-97814/10	17105_10.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								
	LVL 6	LVL 7	LVL 8														
Propylene	+++++	+++++	+++++	0.4463	0.4263	Ave		0.4164			6.2		30.0				
	0.4220	0.4105	0.3767														
Dichlorodifluoromethane	+++++	+++++	2.2509	2.2472	2.1740	Ave		2.1350			5.8		30.0				
	2.1256	2.0931	1.9195														
Freon 22	+++++	+++++	1.0547	1.0652	1.0290	Ave		1.0136			5.0		30.0				
	1.0140	0.9928	0.9256														
1,2-Dichlorotetrafluoroethane	+++++	2.1783	2.3212	2.2713	2.1859	Ave		2.1540			6.5		30.0				
	2.1387	2.0913	1.8915														
Chloromethane	+++++	+++++	0.6215	0.6056	0.5876	Ave		0.5832			5.2		30.0				
	0.5795	0.5702	0.5348														
n-Butane	+++++	+++++	1.0117	0.9730	0.9478	Ave		0.9370			6.1		30.0				
	0.9334	0.9133	0.8430														
Vinyl chloride	0.8112	0.7249	0.8090	0.8171	0.7958	Ave		0.7772			5.3		30.0				
	0.7831	0.7680	0.7087														
1,3-Butadiene	+++++	0.5029	0.5760	0.5754	0.5516	Ave		0.5401			6.0		30.0				
	0.5450	0.5380	0.4919														
Bromomethane	+++++	0.7881	0.7886	0.8051	0.7674	Ave		0.7680			3.7		30.0				
	0.7475	0.7568	0.7229														
Chloroethane	+++++	+++++	0.3816	0.3629	0.3737	Ave		0.3606			4.9		30.0				
	0.3666	0.3417	0.3372														
Isopentane	+++++	0.6542	0.6642	0.6438	0.6266	Ave		0.6250			5.4		30.0				
	0.6166	0.6038	0.5660														
Bromoethene (Vinyl Bromide)	+++++	0.9611	0.9752	0.9532	0.9279	Ave		0.9243			5.1		30.0				
	0.9136	0.9043	0.8350														
Trichlorofluoromethane	+++++	2.3584	2.3969	2.3672	2.3026	Ave		2.2914			4.3		30.0				
	2.2648	2.2466	2.1035														
n-Pentane	+++++	+++++	1.1684	1.1006	1.0666	Ave		1.0631			6.5		30.0				
	1.0461	1.0347	0.9625														

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
Ethanol	++++ 0.3032	++++ 0.2410	0.2700 0.2240	0.2805	0.2630	Ave		0.2636			10.7		30.0				
Ethyl ether	++++ 0.5160	0.5005 0.5104	0.5413 0.4799	0.5474	0.5294	Ave		0.5178			4.6		30.0				
Acrolein	++++ 0.1945	++++ 0.2214	++++ 0.1946	0.2415	0.2341	Ave		0.2172			10.1		30.0				
Freon TF	++++ 1.7767	1.8804 1.7357	1.9063 1.5948	1.8480	1.8082	Ave		1.7929			5.9		30.0				
1,1-Dichloroethene	++++ 0.8732	0.8762 0.8510	0.9059 0.7836	0.8868	0.8824	Ave		0.8656			4.6		30.0				
Acetone	++++ 0.9509	++++ 0.8820	++++ 0.8365	0.9763	0.9338	Ave		0.9159			6.1		30.0				
Carbon disulfide	++++ 2.2536	++++ 2.1952	2.3339 2.0533	2.3427	2.2852	Ave		2.2440			4.8		30.0				
Isopropyl alcohol	++++ 0.8621	++++ 0.8706	++++ 0.7928	0.9599	0.9355	Ave		0.8842			7.5		30.0				
3-Chloropropene	++++ 0.7317	0.8898 0.7754	0.8951 0.6997	0.8116	0.8137	Ave		0.8024			9.2		30.0				
Acetonitrile	++++ 0.4070	++++ 0.4167	++++ 0.3884	0.4386	0.4388	Ave		0.4179			5.2		30.0				
Methylene Chloride	++++ 0.7515	++++ 0.7413	1.0664 0.6826	0.8038	0.7760	Ave		0.8036			16.8		30.0				
tert-Butyl alcohol	++++ 1.4449	++++ 1.4490	++++ 1.3439	1.6076	1.5459	Ave		1.4783			6.9		30.0				
trans-1,2-Dichloroethene	++++ 1.1459	1.1234 1.1143	1.1964 1.0344	1.2053	1.1606	Ave		1.1400			5.1		30.0				
Methyl tert-butyl ether	++++ 2.4661	2.4050 2.4271	2.4814 2.2620	2.5730	2.4973	Ave		2.4446			4.0		30.0				
Acrylonitrile	++++ 0.5163	++++ 0.5048	0.5318 0.4739	0.5372	0.5274	Ave		0.5153			4.5		30.0				
n-Hexane	++++ 1.1605	1.2262 1.1389	1.2070 1.0464	1.2119	1.1815	Ave		1.1675			5.3		30.0				
1,1-Dichloroethane	1.7700 1.5145	1.4764 1.4808	1.5559 1.3737	1.5638	1.5370	Ave		1.5340			7.4		30.0				
Vinyl acetate	++++ 1.7623	++++ 1.7275	++++ 1.6137	1.8212	1.7819	Ave		1.7413			4.5		30.0				
cis-1,2-Dichloroethene	++++ 1.1285	1.1005 1.1049	1.1775 1.0281	1.1623	1.1452	Ave		1.1210			4.4		30.0				
Methyl Ethyl Ketone	++++ 0.4906	++++ 0.4793	0.6162 0.4448	0.5077	0.4992	Ave		0.5063			11.5		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
Ethyl acetate	++++ 0.0855	++++ 0.0834	++++ 0.0767	0.0865	0.0891	Ave		0.0842			5.6		30.0				
Tetrahydrofuran	++++ 0.1461	++++ 0.1465	++++ 0.1387	0.1565	0.1504	Ave		0.1476			4.4		30.0				
Chloroform	++++ 2.1306	2.1939 2.1058	2.2378 1.9719	2.2321	2.1616	Ave		2.1477			4.3		30.0				
Cyclohexane	++++ 0.2708	0.2642 0.2732	0.2735 0.2575	0.2832	0.2771	Ave		0.2714			3.1		30.0				
1,1,1-Trichloroethane	++++ 0.3997	0.3759 0.4058	0.4146 0.3885	0.4157	0.4067	Ave		0.4010			3.6		30.0				
Carbon tetrachloride	0.4583 0.4263	++++ 0.4425	0.4136 0.4261	0.4444	0.4414	Ave		0.4336			3.6		30.0				
2,2,4-Trimethylpentane	++++ 0.8974	0.8942 0.9027	0.9230 0.8536	0.9418	0.9217	Ave		0.9049			3.1		30.0				
Benzene	++++ 0.6301	0.6653 0.6361	0.6616 0.6049	0.6613	0.6466	Ave		0.6437			3.4		30.0				
1,2-Dichloroethane	++++ 0.2272	0.2272 0.2306	0.2333 0.2242	0.2370	0.2308	Ave		0.2300			1.9		30.0				
n-Heptane	++++ 0.2812	0.2866 0.2820	0.2910 0.2671	0.2948	0.2869	Ave		0.2842			3.1		30.0				
n-Butanol	++++ 0.0925	++++ 0.0953	++++ 0.0977	0.0970	0.0974	Ave		0.0960			2.3		30.0				
Trichloroethene	0.3563 0.3013	0.3035 0.3065	0.3181 0.2956	0.3145	0.3052	Ave		0.3126			6.1		30.0				
1,2-Dichloropropane	++++ 0.2281	0.2262 0.2314	0.2324 0.2229	0.2373	0.2326	Ave		0.2301			2.1		30.0				
Methyl methacrylate	++++ 0.2329	++++ 0.2344	++++ 0.2262	0.2360	0.2355	Ave		0.2321			1.8		30.0				
1,4-Dioxane	++++ 0.1046	++++ 0.1062	++++ 0.0982	0.1210	0.1158	Ave		0.1092			8.4		30.0				
Dibromomethane	++++ 0.3265	0.3636 0.3493	0.3633 0.3299	0.3594	0.3511	Ave		0.3490			4.4		30.0				
Bromodichloromethane	++++ 0.4655	0.4227 0.4711	0.4554 0.4554	0.4760	0.4685	Ave		0.4592			3.9		30.0				
cis-1,3-Dichloropropene	++++ 0.3673	0.3429 0.3741	0.3627 0.3615	0.3775	0.3752	Ave		0.3659			3.3		30.0				
methyl isobutyl ketone	++++ 0.3718	++++ 0.3749	0.3727 0.3572	0.3472	0.3835	Ave		0.3679			3.6		30.0				
Toluene	++++ 0.5554	0.5765 0.5534	0.5695 0.5300	0.5824	0.5679	Ave		0.5622			3.1		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
n-Octane	++++ 0.4025	0.4074 0.4015	0.4261 0.3730	0.4266	0.4149	Ave	0.4074				4.5		30.0				
trans-1,3-Dichloropropene	++++ 0.3673	0.3688 0.3747	0.3692 0.3624	0.3787	0.3746	Ave	0.3708				1.5		30.0				
1,1,2-Trichloroethane	++++ 0.2627	0.2569 0.2642	0.2634 0.2557	0.2713	0.2677	Ave	0.2631				2.1		30.0				
Tetrachloroethene	0.5901 0.5174	0.5067 0.5178	0.5417 0.4978	0.5372	0.5271	Ave	0.5295				5.4		30.0				
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3601	++++ 0.3637	0.3862 0.3575	0.3897	0.3652	Ave	0.3704				3.8		30.0				
Dibromochloromethane	++++ 0.5834	0.4813 0.5581	0.5121 0.5413	0.5656	0.5689	Ave	0.5444				6.6		30.0				
1,2-Dibromoethane	++++ 0.5205	0.4952 0.5192	0.5155 0.5049	0.5370	0.5292	Ave	0.5173				2.7		30.0				
Chlorobenzene	++++ 0.7908	0.7938 0.7890	0.8182 0.7578	0.8256	0.8059	Ave	0.7973				2.8		30.0				
Ethylbenzene	++++ 1.2160	1.1906 1.2150	1.2517 1.1697	1.2710	1.2430	Ave	1.2224				2.9		30.0				
n-Nonane	++++ 0.4962	0.4746 0.4918	0.5080 0.4657	0.5198	0.5080	Ave	0.4949				3.9		30.0				
m,p-Xylene	++++ 0.5001	0.4957 0.4960	0.5200 0.4547	0.5289	0.5148	Ave	0.5015				4.8		30.0				
Xylene, o-	++++ 0.5020	0.4887 0.4986	0.5201 0.4759	0.5243	0.5107	Ave	0.5029				3.4		30.0				
Styrene	++++ 0.7859	0.7368 0.7848	0.7690 0.7529	0.8255	0.8052	Ave	0.7800				3.9		30.0				
Bromoform	++++ 0.5481	0.3973 0.4607	0.3935 0.4439	0.4652	0.4819	Ave	0.4558				11.6		30.0				
Cumene	++++ 1.4285	1.3819 1.4253	1.4470 1.3503	1.4960	1.4567	Ave	1.4265				3.4		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.6895	0.6662 0.6672	0.6943 0.6423	0.7221	0.7063	Ave	0.6840				4.0		30.0				
n-Propylbenzene	++++ 1.6766	1.6308 1.5644	1.7021 1.5390	1.7627	1.7138	Ave	1.6556				4.9		30.0				
1,2,3-Trichloropropane	++++ 0.5148	++++ 0.5023	0.5330 0.4803	0.5416	0.5268	Ave	0.5165				4.4		30.0				
n-Decane	++++ 0.5609	++++ 0.6088	0.6320 0.4999	0.4926	0.5395	Ave	0.5556				10.2		30.0				
4-Ethyltoluene	++++ 1.3892	1.4641 0.9911	1.4641 1.0907	1.5102	1.4532	Ave	1.3293				15.3		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
2-Chlorotoluene	++++ 1.1266	1.1461 1.0788	1.1746 0.9805	1.1992	1.1660	Ave		1.1245			6.6		30.0				
1,3,5-Trimethylbenzene	++++ 1.0917	1.1469 1.0445	1.1994 1.0154	1.2585	1.2034	Ave		1.1371			7.9		30.0				
Alpha Methyl Styrene	++++ 0.5739	0.5603 0.5525	0.6025 0.5378	0.6637	0.6361	Ave		0.5896			7.9		30.0				
tert-Butylbenzene	++++ 0.9872	1.1170 1.0952	1.2054 0.9637	1.2145	1.0847	Ave		1.0954			8.8		30.0				
1,2,4-Trimethylbenzene	++++ 1.0187	1.1541 1.1817	1.2205 1.0393	1.2289	1.0443	Ave		1.1268			8.0		30.0				
sec-Butylbenzene	++++ 1.5145	1.6577 1.7014	1.7856 1.4919	1.5780	1.4456	Ave		1.5964			7.7		30.0				
4-Isopropyltoluene	++++ 1.4894	1.2645 1.4849	1.1617 1.3279	1.3195	1.4878	Ave		1.3622			9.5		30.0				
1,3-Dichlorobenzene	++++ 0.7449	0.8705 0.8103	0.8894 0.7364	0.9353	0.8689	Ave		0.8365			9.0		30.0				
1,4-Dichlorobenzene	++++ 0.7263	0.8846 0.8691	0.8950 0.7794	0.9413	0.8282	Ave		0.8463			8.7		30.0				
Benzyl chloride	++++ 0.9042	0.7474 0.9739	0.8591 0.9172	0.8222	0.7468	Ave		0.8530			10.1		30.0				
n-Butylbenzene	++++ 1.2991	1.1435 1.2605	1.0891 1.1053	1.3693	1.3776	Ave		1.2349			9.9		30.0				
n-Undecane	++++ 0.6403	++++ 0.6200	++++ 0.5520	0.6884	0.6667	Ave		0.6335			8.3		30.0				
1,2-Dichlorobenzene	++++ 0.7400	0.8361 0.8325	0.8301 0.7603	0.8369	0.6547	Ave		0.7844			8.9		30.0				
n-Dodecane	++++ 0.5253	++++ 0.5334	++++ 0.1431	0.5724	0.5586	Ave		0.4666			39.0	*	30.0				
1,2,4-Trichlorobenzene	++++ 0.6504	++++ 0.6977	0.5385 0.5643	0.7217	0.6606	Ave		0.6389			11.4		30.0				
Hexachlorobutadiene	++++ 0.6067	0.5725 0.6006	0.6118 0.4281	0.6598	0.6390	Ave		0.5884			12.9		30.0				
Naphthalene	++++ 1.3038	++++ 1.4723	1.1199 1.2006	1.5115	1.2111	Ave		1.3032			12.1		30.0				
1,2,3-Trichlorobenzene	++++ 0.5668	0.5162 0.6166	0.4919 0.3241	0.6284	0.5715	Ave		0.5308			19.5		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97814/3	17105_03.D
Level 2	IC 200-97814/4	17105_04.D
Level 3	IC 200-97814/5	17105_05.D
Level 4	IC 200-97814/6	17105_06.D
Level 5	ICIS 200-97814/7	17105_07.D
Level 6	IC 200-97814/8	17105_08.D
Level 7	IC 200-97814/9	17105_09.D
Level 8	IC 200-97814/10	17105_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 172300	++++ 230854	++++ 439883	60450	114988	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 867886	++++ 1177251	30054 2241195	304381	586425	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 414020	++++ 558414	14083 1080692	144288	277569	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 873255	11824 1176209	30993 2208538	307648	589634	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 236623	++++ 320703	8298 624444	82029	158488	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 381118	++++ 513678	13508 984305	131799	255663	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	857 319750	3935 431926	10802 827456	110676	214668	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 222527	2730 302584	7691 574364	77941	148800	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 305221	4278 425638	10529 844107	109046	206986	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 149666	++++ 192186	5095 393698	49154	100800	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 251763	3551 339604	8869 660886	87203	169009	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 373026	5217 508634	13021 974918	129106	250296	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 924716	12802 1263592	32003 2456109	320642	621116	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 427143	++++ 581950	15600 1123866	149072	287702	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 165428	++++ 271112	36092 653931	76035	106471	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	++++ 210676	2717 287045	7228 560303	74147	142812	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 79433	++++ 124533	++++ 227171	32718	63135	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 725423	10207 976218	25453 1862102	250320	487747	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 356530	4756 478617	12095 914928	120122	238029	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 388245	++++ 496091	++++ 976735	132246	251875	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 920142	++++ 1234651	++++ 2397492	317319	616412	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 351990	++++ 489683	++++ 925683	130024	252350	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 298765	++++ 436095	++++ 816931	109938	219486	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 166193	++++ 234378	++++ 453460	59409	118352	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 306835	++++ 416914	++++ 797016	108882	209310	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 589963	++++ 814990	++++ 1569148	217753	416982	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 467866	++++ 6098 626704	15975 1207805	163257	313054	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1006910	13055 1365120	33132 2641105	348521	673615	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 210805	++++ 283945	++++ 553326	7101 72771	142264	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 473838	++++ 6656 640573	16116 1221766	164153	318705	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1870 618376	8014 832870	20774 1603903	211820	414600	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 719568	++++ 971615	++++ 1884178	246689	480664	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 460766	++++ 5974 621436	15722 1200444	157437	308906	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 200330	++++ 269576	++++ 519394	8227 68763	134645	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 34895	++++ 46932	++++ 89545	11710	24042	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 337280	++++ 453054	++++ 868568	119458	227464	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	++++ 869916	11909 1184364	29879 2302432	302339	583069	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 625197	8187 844581	20798 1612627	216175	419088	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 922839	11647 1254744	31532 2432830	317354	614979	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	2787 984388	12813 1368101	31649 2668421	339261	667505	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2072089	27706 2790900	70202 5344899	718949	1393883	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 1454991	20613 1966615	50315 3787907	504800	977805	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 524553	7040 712870	17743 1404113	180913	349078	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 649215	8879 871767	22129 1672627	225063	433838	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 213519	++++ 294765	++++ 611849	74074	147303	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2167 695621	9403 947471	24196 1851177	240077	461562	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 526613	7007 715528	17679 1395468	181118	351720	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 537721	++++ 724649	17325 1416643	180138	356127	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 241515	++++ 328365	++++ 614694	92364	175088	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 753885	11265 1079884	27629 2065795	274321	531006	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 1074764	13096 1456480	34637 2851623	363320	708451	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 848027	10624 1156614	27586 2263618	288154	567384	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 858429	++++ 1158964	28347 2236516	265055	579908	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 1192144	16716 1615167	40458 3103024	414062	801037	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 929336	12623 1241399	32409 2335717	325629	627359	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 848061	11425 1158512	28077 2269536	289052	566478	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 563768	7448 771181	18715 1497315	192865	377609	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3384 1110432	14691 1511246	38483 2914418	381901	743519	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 772948	++++ 1061509	++++ 2093046	27434 277073	515126	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1252258	13956 1628808	36377 3169289	402125	802510	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1117126	14359 1515307	36619 2956144	381770	746512	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 1697339	23016 2302740	58123 4436976	586968	1136840	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 2609942	34523 3546053	88923 6848857	903597	1753406	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1064959	13762 1435248	36090 2726982	369522	716553	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2146823	28748 2895523	73885 5324817	752068	1452518	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1077527	14169 1455268	36947 2786490	372724	720436	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 1686820	21365 2290469	54630 4408303	586875	1135882	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1176376	11520 1344660	27955 2599285	330732	679792	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3065937	40070 4159812	102794 7906359	1063557	2054864	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1479865	19316 1947438	49327 3760763	513363	996301	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 3598476	47285 4565955	120921 9010759	1253155	2417554	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1104972	++++ 1465958	37865 2812064	385072	743108	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 1203827	++++ 1776732	44901 2927171	350198	761115	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 2981766	40777 2892532	104010 6386351	1073648	2049958	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 2417984	33231 3148601	83443 5740659	852529	1644818	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2343074	33256 3048456	85205 5945422	894741	1697552	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1231685	16247 1612578	42801 3149112	471868	897348	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 2118752	32388 3196441	85636 5642843	863443	1530086	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31641-1

Analy Batch No.: 97814

SDG No.: 200-31641-1

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2186532	33464 3449061	86705 6085055	873686	1473107	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 3250547	48067 4965617	126852 8735177	1121864	2039196	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 3196703	36664 4333977	82530 7774903	938085	2098753	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 1598872	25240 2365008	63184 4311692	664954	1225712	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 1558839	25649 2536602	63585 4563438	669200	1168333	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 1940611	21671 2842326	61030 5370191	584516	1053539	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 2788292	33156 3678885	77369 6471915	973486	1943267	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 1374188	++++ 1809626	++++ 3231822	489372	940529	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 1588327	24244 2429719	58972 4451750	595015	923514	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1127449	++++ 1556720	++++ 837930	406933	788045	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1396073	++++ 2036276	38253 3303885	513068	931840	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1302194	16600 1753057	43461 2506508	469069	901425	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 2798376	++++ 4297106	79556 7029873	1074594	1708433	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1216438	++++ 1799481	14966 1897597	34948	446728	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Dec-2015 17:08:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-003
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 16:33:56 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:48:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.087	3.087	0.000	69	2462	0.0401	0.2244	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	98	2841	0.0401	0.0505	
3 Chlorodifluoromethane	51	3.210	3.204	0.006	94	1594	0.0401	0.0597	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.408	0.005	88	2877	0.0401	0.0507	
5 Chloromethane	50	3.552	3.541	0.011	96	810	0.0401	0.0527	
6 Butane	43	3.734	3.729	0.005	96	1329	0.0401	0.0538	
7 Vinyl chloride	62	3.782	3.771	0.011	94	857	0.0401	0.0418	
8 Butadiene	54	3.852	3.846	0.006	94	491	0.0401	0.0345	
9 Bromomethane	94	4.504	4.499	0.005	94	1102	0.0401	0.0544	
10 Chloroethane	64	4.718	4.718	0.000	1	267	0.0401	0.0281	
11 2-Methylbutane	43	4.782	4.777	0.005	27	1083	0.0401	0.0657	
12 Vinyl bromide	106	5.093	5.087	0.006	89	1011	0.0401	0.0415	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	67	2919	0.0401	0.0483	
14 Pentane	43	5.301	5.307	-0.006	92	1634	0.0401	0.0583	
15 Ethanol	45	5.826	5.761	0.065	87	833	0.0802	0.1199	
16 Ethyl ether	59	5.911	5.820	0.091	1	452	0.0401	0.0331	
17 Acrolein	56		6.200				ND	ND	
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.200	0.005	79	2320	0.0401	0.0491	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	43	1075	0.0401	0.0471	
21 Acetone	43		6.510				ND	ND	
22 Carbon disulfide	76	6.660	6.655	0.005	77	2865	0.0401	0.0484	
23 Isopropyl alcohol	45		6.821				ND	ND	
24 3-Chloro-1-propene	41	7.035	7.029	0.006	85	1176	0.0401	0.0556	
25 Acetonitrile	41		7.179				ND	ND	
26 Methylene Chloride	49	7.318	7.324	-0.006	87	4138	0.0401	0.1954	
28 2-Methyl-2-propanol	59	7.773	7.618	0.155	75	1671	0.0401	0.0429	
29 Methyl tert-butyl ether	73	7.917	7.735	0.182	83	2817	0.0401	0.0437	
30 trans-1,2-Dichloroethene	61	7.751	7.757	-0.006	89	1279	0.0401	0.0426	
31 Acrylonitrile	53		7.928				ND	ND	
32 Hexane	57	8.121	8.131	-0.010	84	1562	0.0401	0.0508	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.645	8.645	0.000	94	1870	0.0401	0.0463	
34 Vinyl acetate	43	8.736	8.714	0.022	63	2202	0.0401	0.0480	
35 cis-1,2-Dichloroethene	96	9.784	9.779	0.005	1	1301	0.0401	0.0440	M
36 2-Butanone (MEK)	72		9.838				ND	ND	
37 Ethyl acetate	88		9.881				ND	ND	
S 38 1,2-Dichloroethene, Total	61				0		0.0802	0.0866	
* 40 Chlorobromomethane	128	10.260	10.266	-0.006	78	263540	10.0	10.0	
39 Tetrahydrofuran	42		10.287				ND	ND	
41 Chloroform	83	10.389	10.400	-0.011	54	2744	0.0401	0.0485	M
42 Cyclohexane	84	10.651	10.651	0.000	82	1795	0.0401	0.0436	M
43 1,1,1-Trichloroethane	97	10.678	10.683	-0.005	58	2613	0.0401	0.0430	
44 Carbon tetrachloride	117	10.945	10.945	0.000	52	2787	0.0401	0.0424	
45 Isooctane	57	11.395	11.395	0.000	98	6345	0.0401	0.0462	
46 Benzene	78	11.432	11.443	-0.011	94	5110	0.0401	0.0523	
47 1,2-Dichloroethane	62		11.646				ND	ND	
48 n-Heptane	43	11.812	11.807	0.005	62	2336	0.0401	0.0542	M
* 50 1,4-Difluorobenzene	114	12.331	12.342	-0.011	92	1517005	10.0	10.0	
51 n-Butanol	56	12.887	12.818	0.069	56	1374	0.0401	0.0944	
52 Trichloroethene	95	12.823	12.839	-0.016	79	2167	0.0401	0.0457	M
53 1,2-Dichloropropane	63		13.438				ND	ND	
54 Methyl methacrylate	69		13.609				ND	ND	
55 1,4-Dioxane	88		13.690				ND	ND	
56 Dibromomethane	174	13.711	13.711	0.000	38	2962	0.0401	0.0559	
57 Dichlorobromomethane	83	14.011	14.021	-0.010	60	3332	0.0401	0.0478	
58 cis-1,3-Dichloropropene	75	15.000	14.995	0.005	84	2585	0.0401	0.0466	M
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	10950419	NC	NC	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	10950419	0.0401	128.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.396	15.321	0.075	88	3083	0.0401	0.0552	
62 Toluene	92	15.616	15.610	0.006	92	4038	0.0401	0.0502	
A 65 GRO	1	15.653	(15.653-15.653)		0	26799	0.0401	0	
66 n-Octane	43	15.653	15.653	0.000	79	3199	0.0401	0.0518	
67 trans-1,3-Dichloropropene	75	16.247	16.247	0.000	43	2923	0.0401	0.0520	
68 1,1,2-Trichloroethane	83	16.659	16.643	0.016	61	1674	0.0401	0.0445	M
69 Tetrachloroethene	166	16.739	16.739	0.000	94	3384	0.0401	0.0447	
70 2-Hexanone	43	17.183	17.135	0.048	97	2829	0.0401	0.0534	
71 Chlorodibromomethane	129	17.445	17.445	0.000	94	3457	0.0401	0.0444	
72 Ethylene Dibromide	107	17.729	17.734	-0.005	98	3476	0.0401	0.0470	
* 73 Chlorobenzene-d5	117	18.676	18.676	0.000	83	1430458	10.0	10.0	
74 Chlorobenzene	112	18.734	18.740	-0.006	83	5674	0.0401	0.0498	
75 Ethylbenzene	91	18.895	18.895	0.000	95	8552	0.0401	0.0489	
76 n-Nonane	57	19.018	19.018	0.000	81	3273	0.0401	0.0462	
77 m-Xylene & p-Xylene	106	19.157	19.162	-0.005	0	7159	0.0802	0.0998	
S 80 Xylenes, Total	106				0		0.1203	0.1447	
78 o-Xylene	106	20.061	20.061	0.000	93	3231	0.0401	0.0449	
79 Styrene	104	20.120	20.120	0.000	94	4753	0.0401	0.0426	
81 Bromoform	173	20.575	20.580	-0.005	94	2690	0.0401	0.0413	
82 Isopropylbenzene	105	20.783	20.789	-0.006	95	9474	0.0401	0.0464	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	95	4591	0.0401	0.0469	
86 N-Propylbenzene	91	21.554	21.554	0.000	99	11024	0.0401	0.0465	
87 1,2,3-Trichloropropane	75	21.591	21.597	-0.006	94	4062	0.0401	0.0550	
88 n-Decane	57	21.736	21.736	0.000	88	4146	0.0401	0.0522	
89 4-Ethyltoluene	105	21.757	21.752	0.005	93	9182	0.0401	0.0483	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.762	21.768	-0.006	78	7872	0.0401	0.0489	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	92	8034	0.0401	0.0494	
92 Alpha Methyl Styrene	118	22.255	22.255	-0.001	90	3875	0.0401	0.0459	
93 tert-Butylbenzene	119	22.372	22.378	-0.006	94	7444	0.0401	0.0475	
94 1,2,4-Trimethylbenzene	105	22.474	22.479	-0.005	96	7733	0.0401	0.0480	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	11293	0.0401	0.0495	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	97	9586	0.0401	0.0492	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	6206	0.0401	0.0519	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	93	6025	0.0401	0.0498	
99 Benzyl chloride	91	23.308	23.308	0.000	99	5541	0.0401	0.0454	
101 n-Butylbenzene	91	23.522	23.517	0.005	97	8055	0.0401	0.0456	
100 Undecane	57	23.533	23.538	-0.005	89	3845	0.0401	0.0424	
102 1,2-Dichlorobenzene	146	23.661	23.662	-0.001	98	5532	0.0401	0.0493	
103 Dodecane	57	25.181	25.176	0.005	93	2536	0.0401	0.0380	
104 1,2,4-Trichlorobenzene	180	26.256	26.261	-0.005	90	2833	0.0401	0.0310	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	95	3935	0.0401	0.0468	
106 Naphthalene	128	26.775	26.770	0.005	97	7249	0.0401	0.0389	
107 1,2,3-Trichlorobenzene	180	27.273	27.267	0.006	92	3345	0.0401	0.0441	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00150

Amount Added: 40.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D

Injection Date: 02-Dec-2015 17:08:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

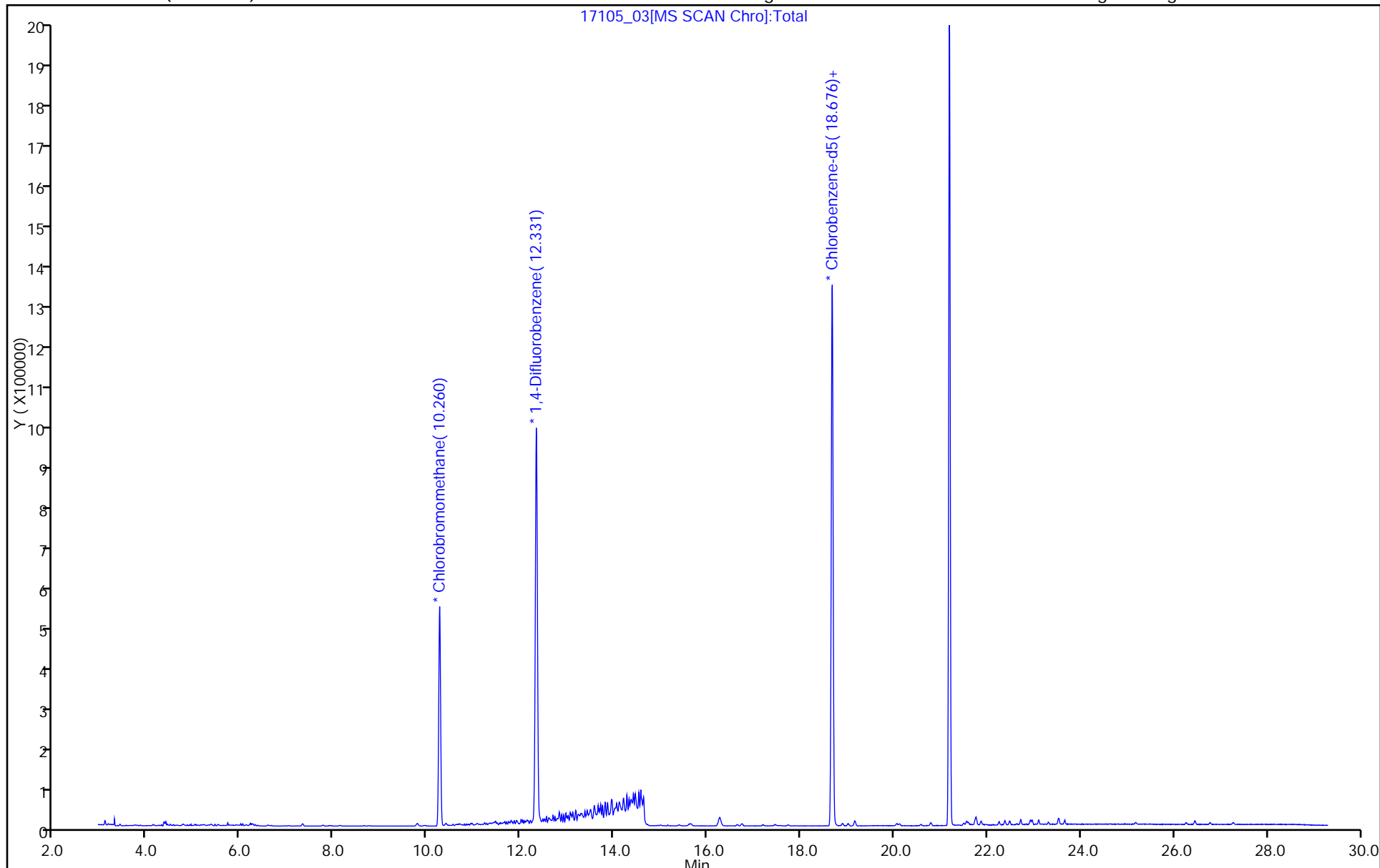
ALS Bottle#: 3

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



17105_03[MS SCAN Chro]:Total

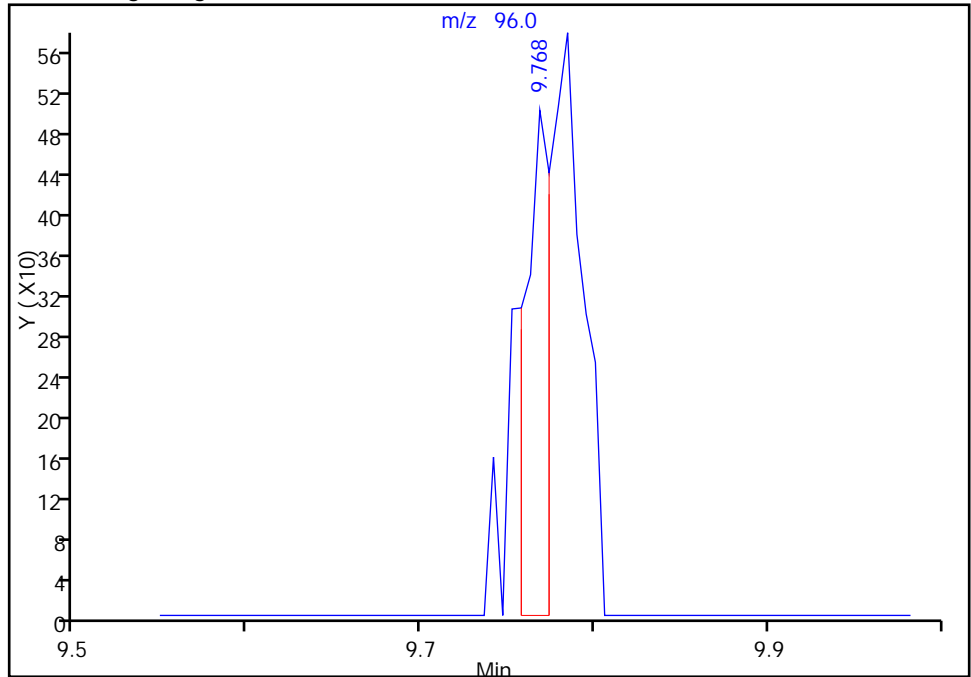
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

35 cis-1,2-Dichloroethene, CAS: 156-59-2

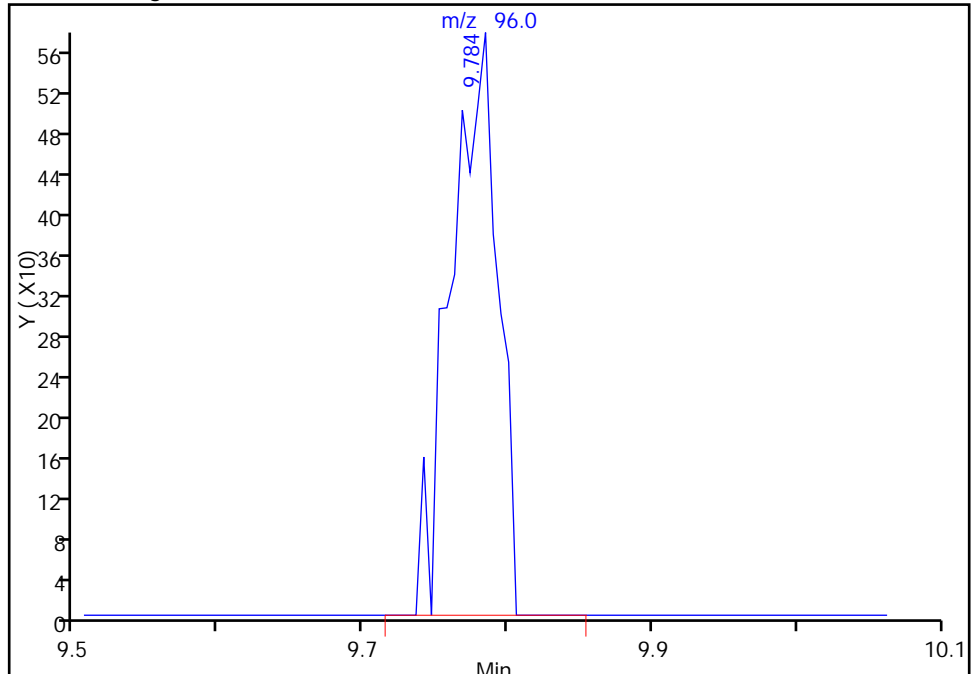
RT: 9.77
Area: 508
Amount: 0.017195
Amount Units: ppb v/v

Processing Integration Results



RT: 9.78
Area: 1301
Amount: 0.044037
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

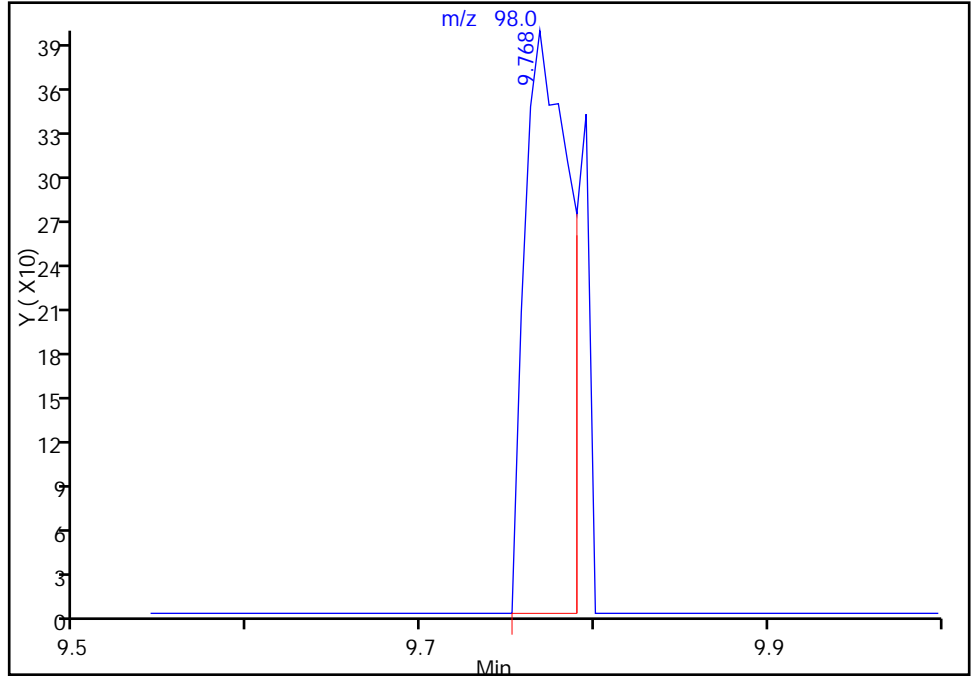
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 cis-1,2-Dichloroethene, CAS: 156-59-2

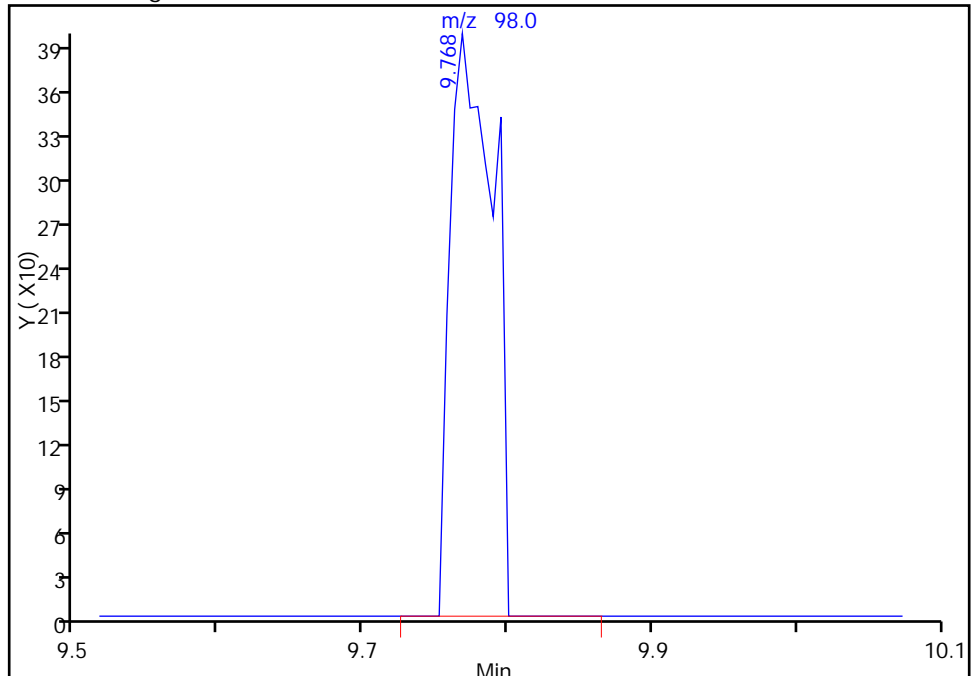
RT: 9.77
Area: 702
Amount: 0.017195
Amount Units: ppb v/v

Processing Integration Results



RT: 9.77
Area: 809
Amount: 0.044037
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

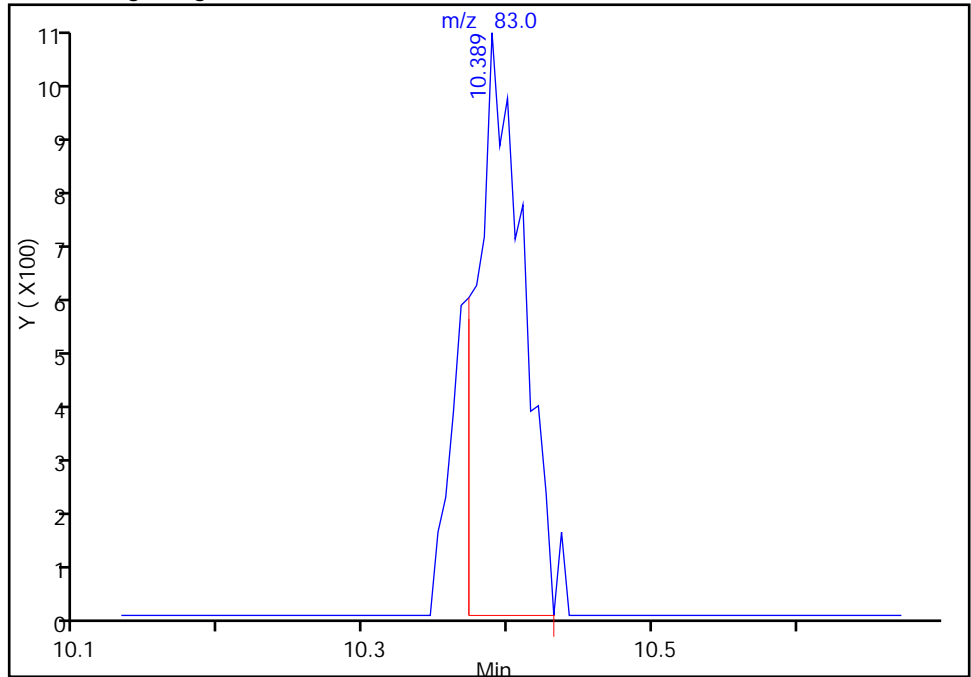
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

41 Chloroform, CAS: 67-66-3

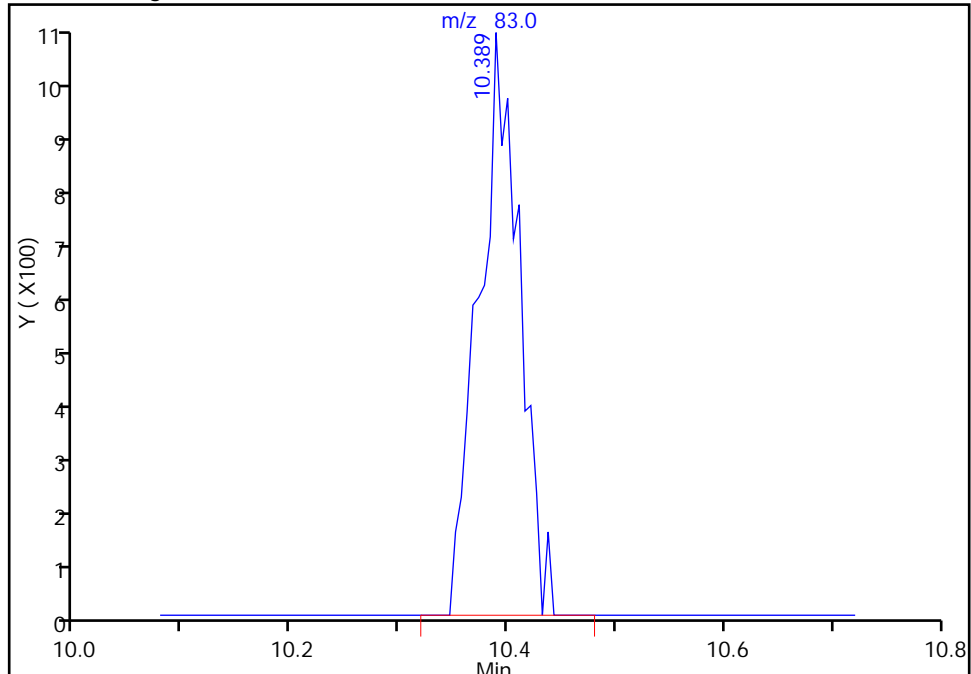
RT: 10.39
Area: 2279
Amount: 0.040265
Amount Units: ppb v/v

Processing Integration Results



RT: 10.39
Area: 2744
Amount: 0.048481
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

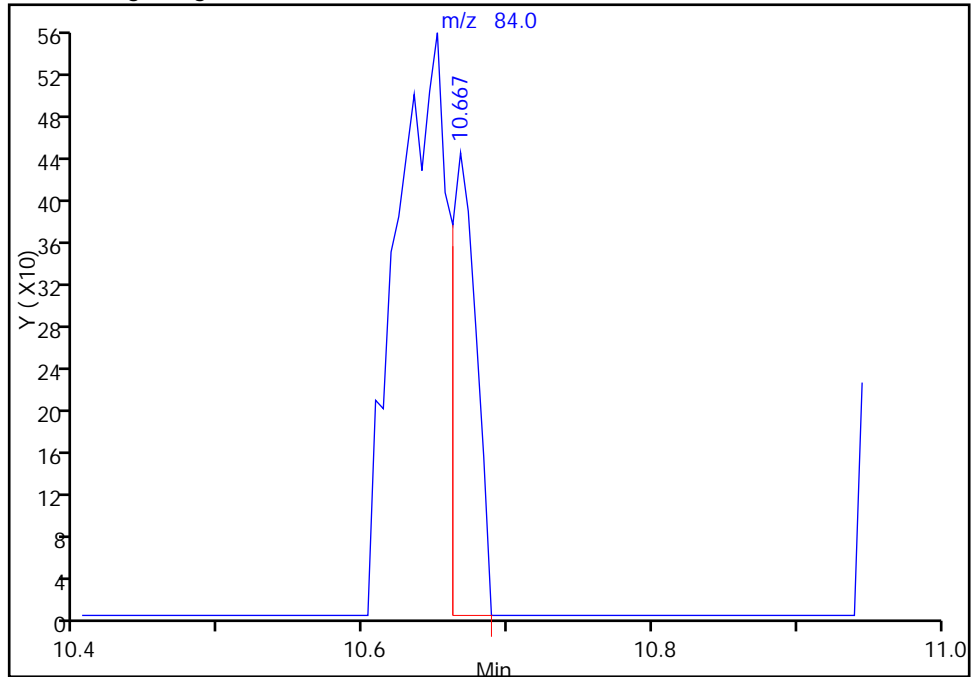
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

42 Cyclohexane, CAS: 110-82-7

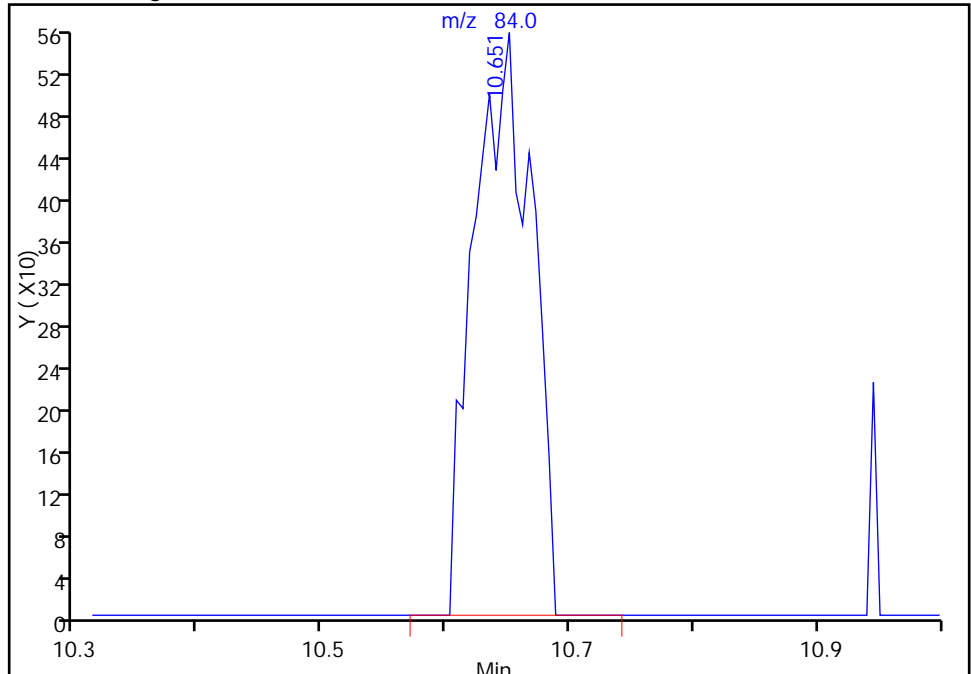
RT: 10.67
Area: 523
Amount: 0.012705
Amount Units: ppb v/v

Processing Integration Results



RT: 10.65
Area: 1795
Amount: 0.043605
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

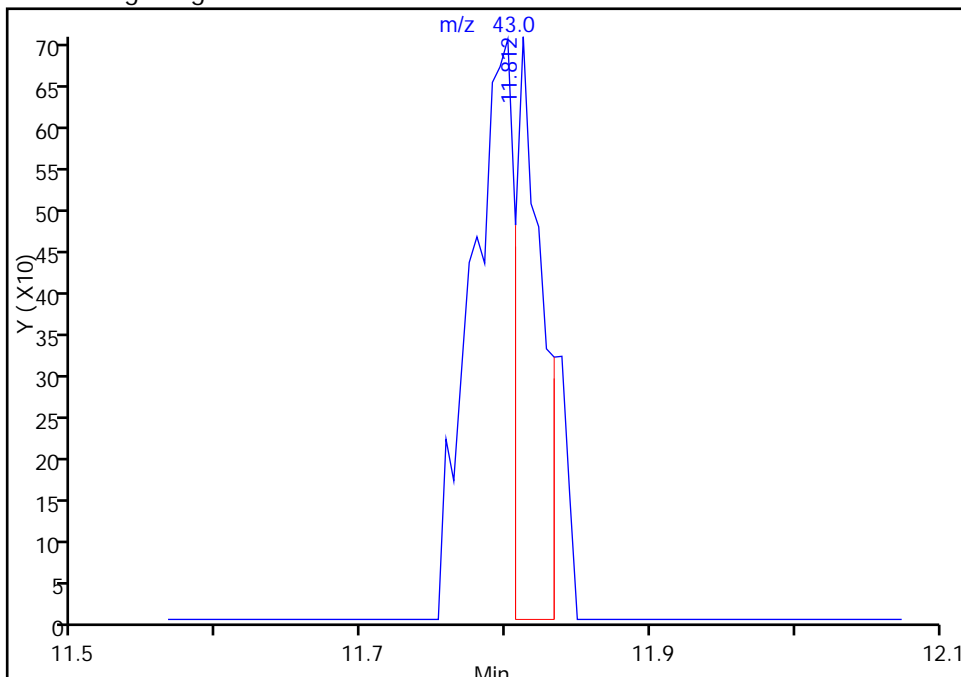
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

48 n-Heptane, CAS: 142-82-5

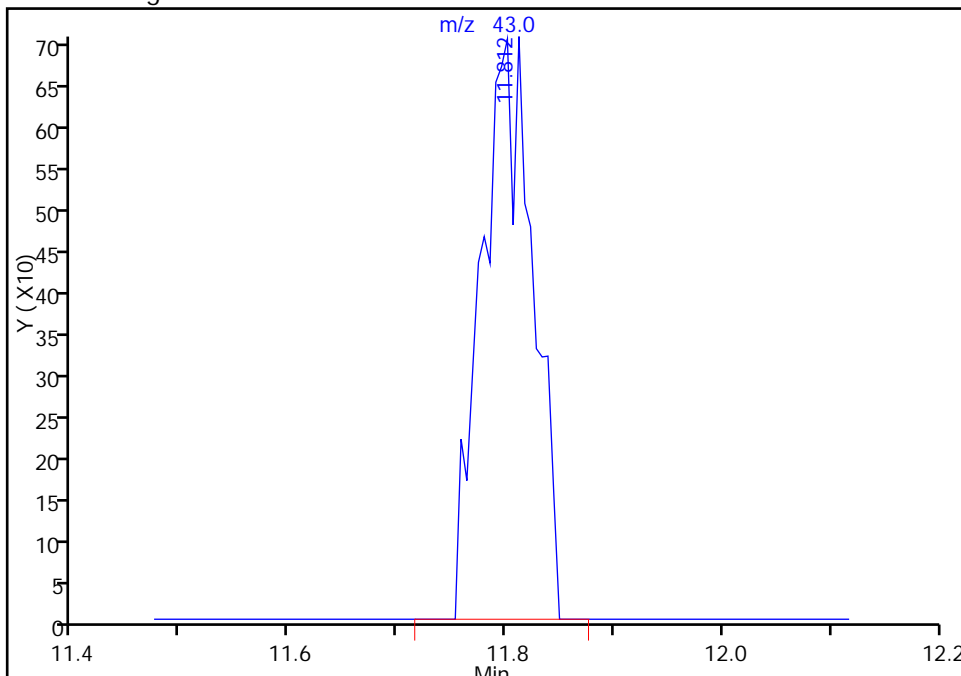
RT: 11.81
Area: 897
Amount: 0.020804
Amount Units: ppb v/v

Processing Integration Results



RT: 11.81
Area: 2336
Amount: 0.054180
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

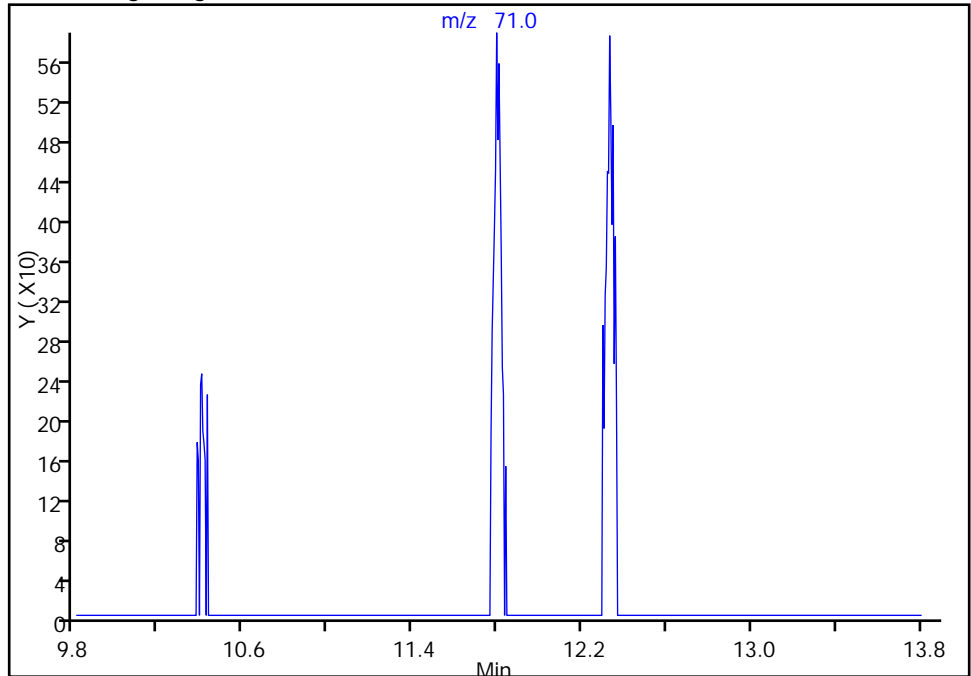
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

48 n-Heptane, CAS: 142-82-5

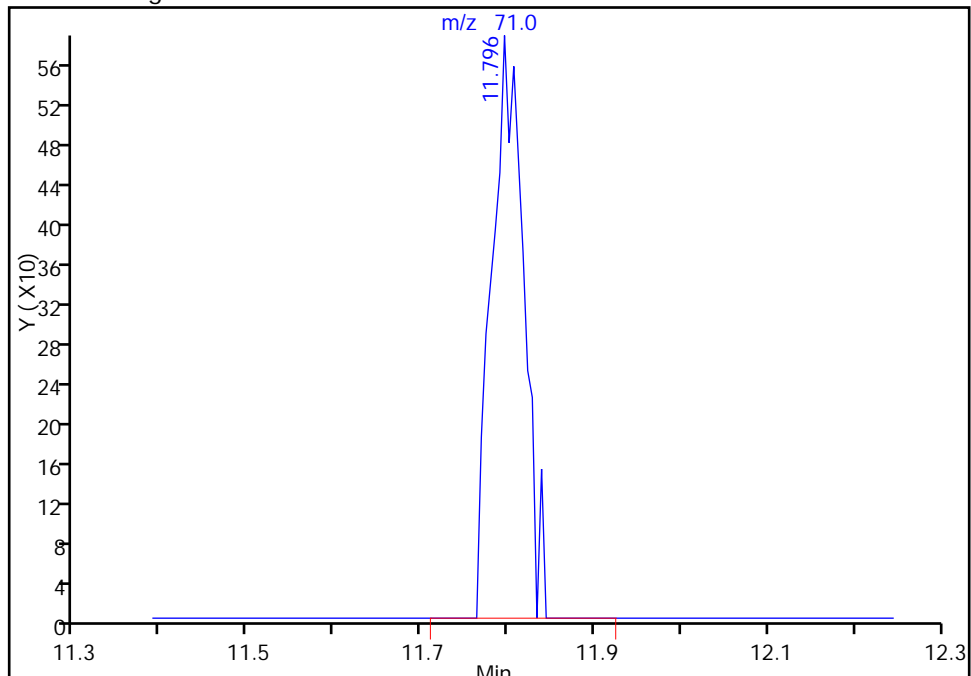
RT: 11.81
Area: 0
Amount: 0.020804
Amount Units: ppb v/v

Processing Integration Results



RT: 11.80
Area: 1513
Amount: 0.054180
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

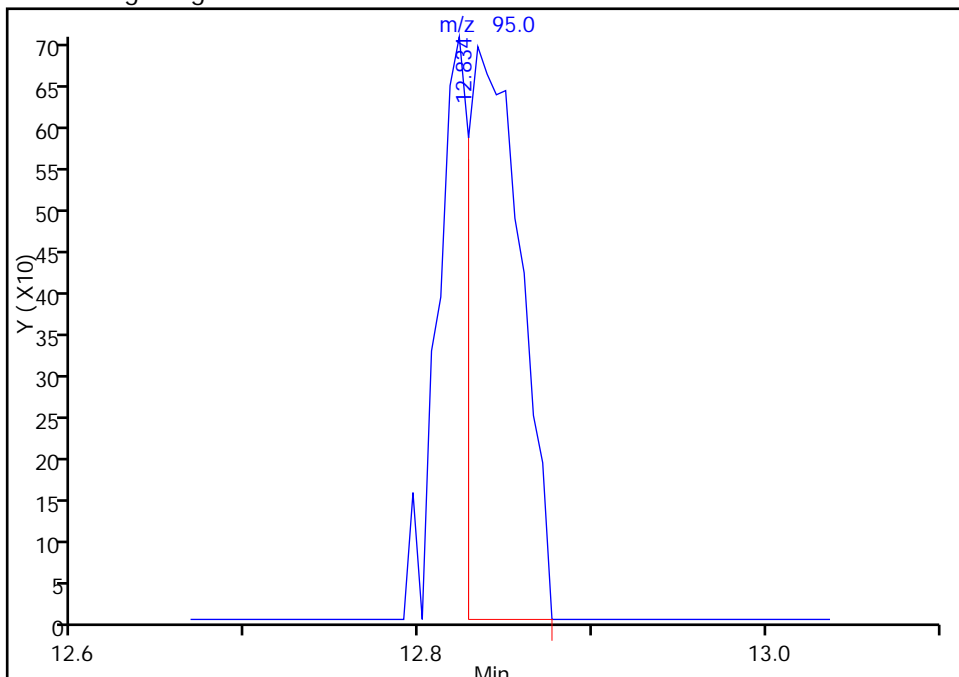
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

52 Trichloroethene, CAS: 79-01-6

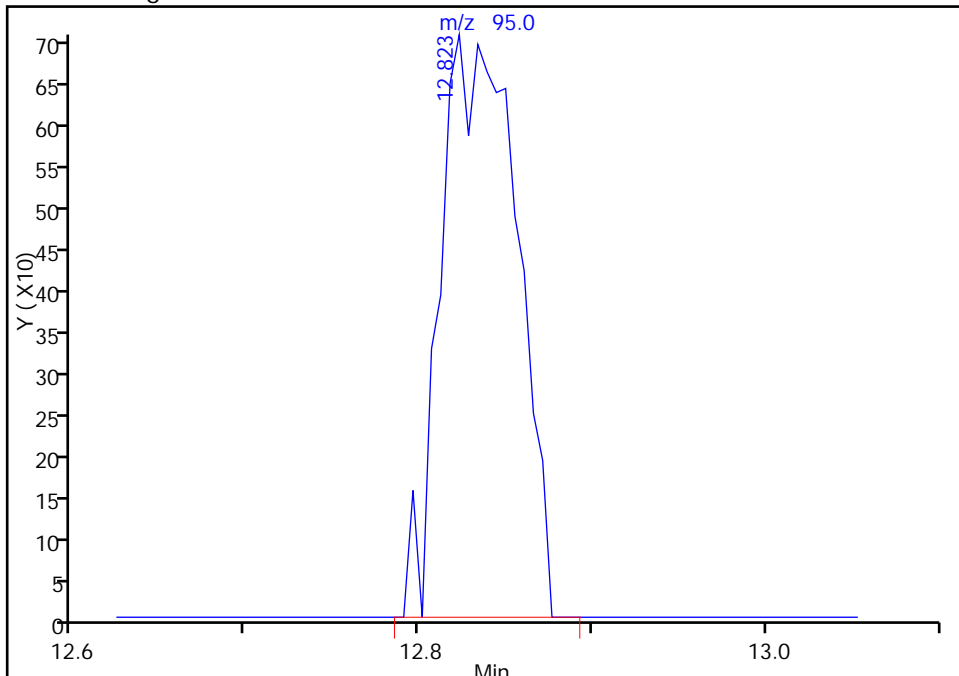
RT: 12.83
Area: 1457
Amount: 0.032226
Amount Units: ppb v/v

Processing Integration Results



RT: 12.82
Area: 2167
Amount: 0.045692
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

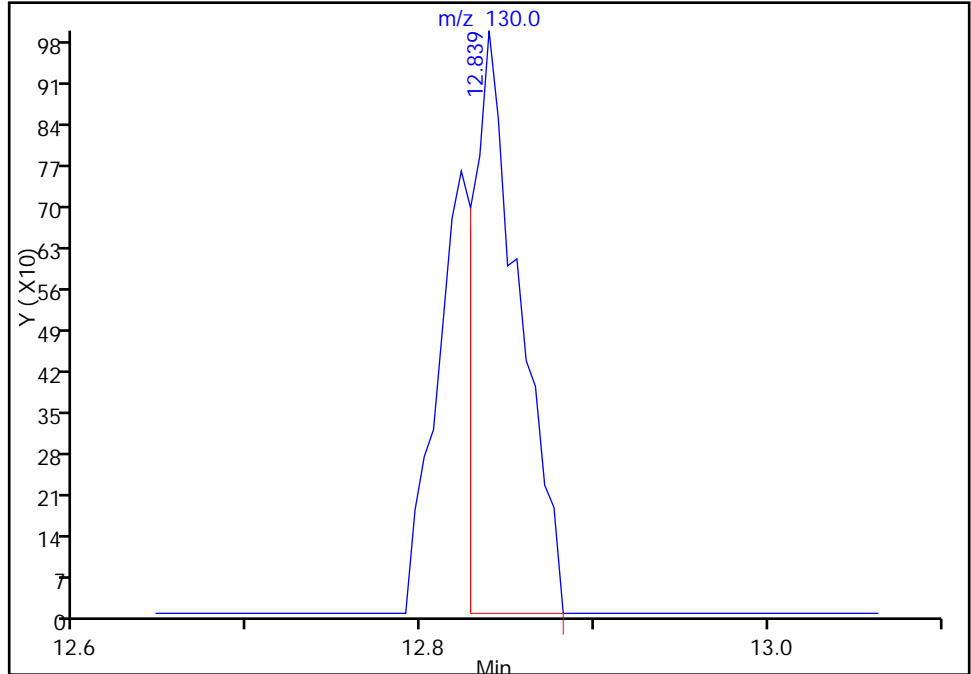
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

52 Trichloroethene, CAS: 79-01-6

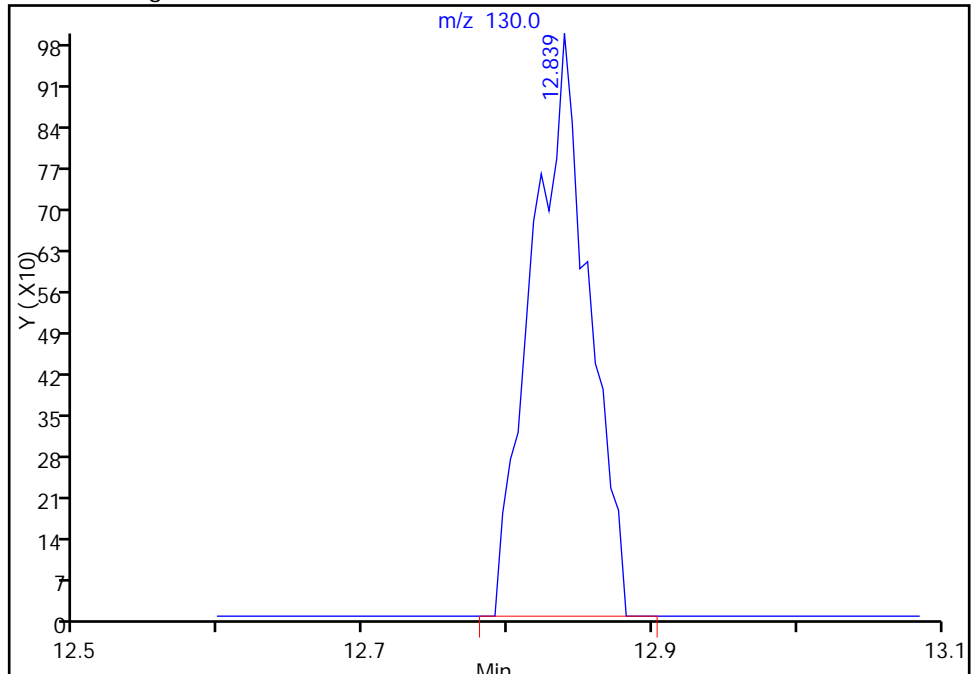
RT: 12.84
Area: 1841
Amount: 0.032226
Amount Units: ppb v/v

Processing Integration Results



RT: 12.84
Area: 2701
Amount: 0.045692
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

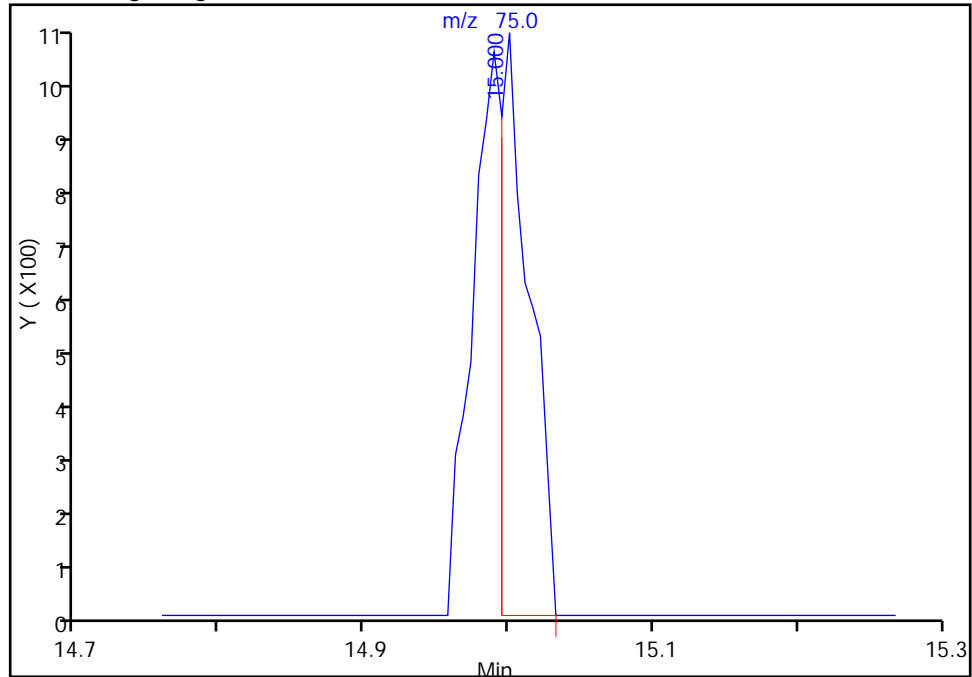
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

58 cis-1,3-Dichloropropene, CAS: 10061-01-5

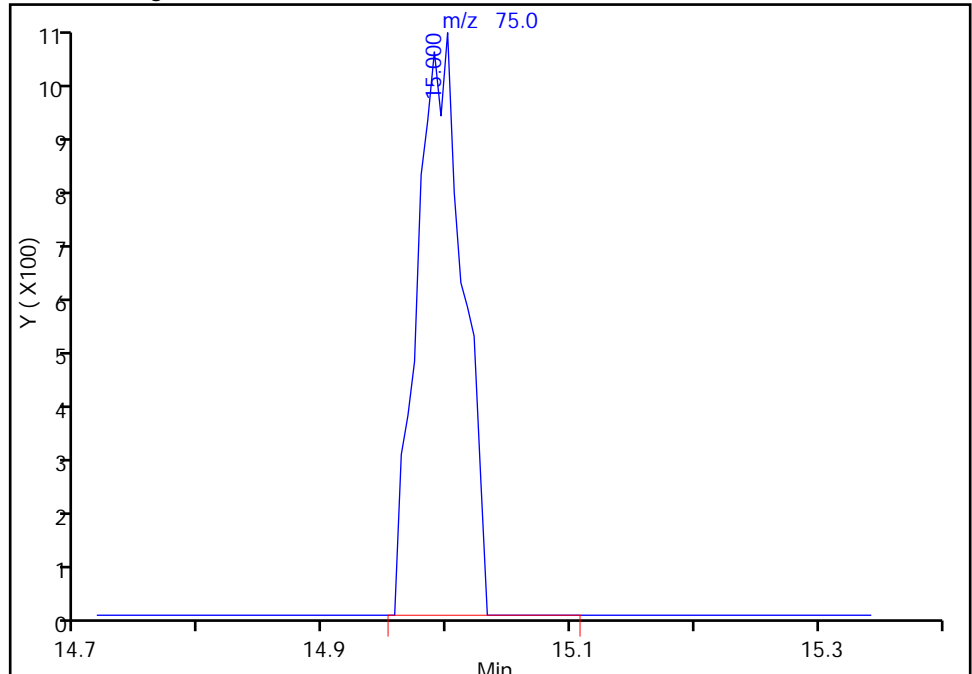
RT: 15.00
Area: 1417
Amount: 0.025530
Amount Units: ppb v/v

Processing Integration Results



RT: 15.00
Area: 2585
Amount: 0.046573
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

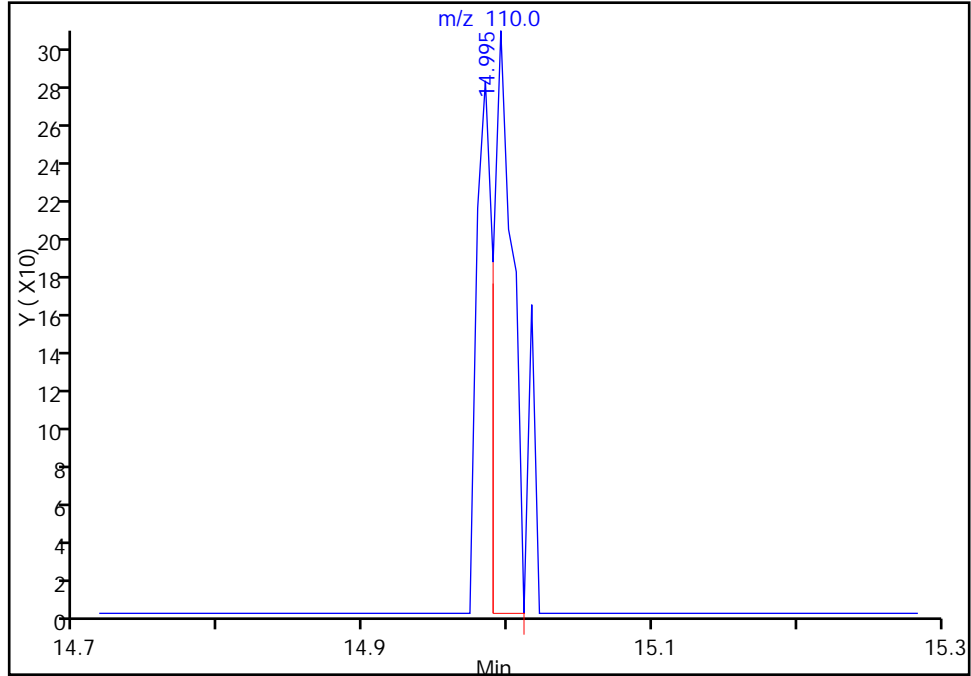
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_03.D
Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

58 cis-1,3-Dichloropropene, CAS: 10061-01-5

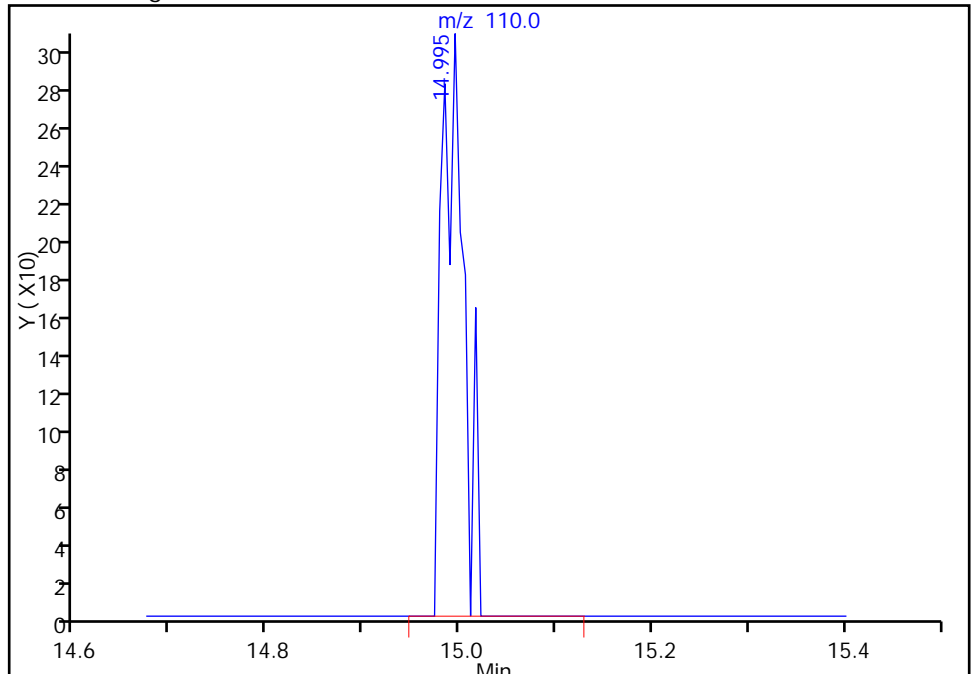
RT: 14.99
Area: 276
Amount: 0.025530
Amount Units: ppb v/v

Processing Integration Results



RT: 14.99
Area: 483
Amount: 0.046573
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

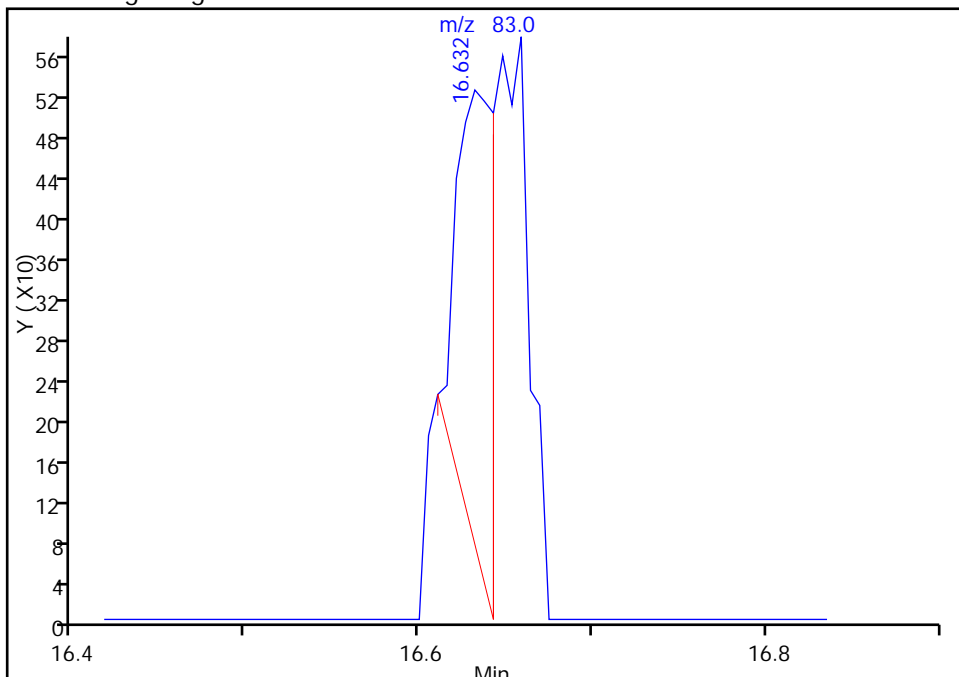
TestAmerica Burlington

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Injection Date: 02-Dec-2015 17:08:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 1,1,2-Trichloroethane, CAS: 79-00-5

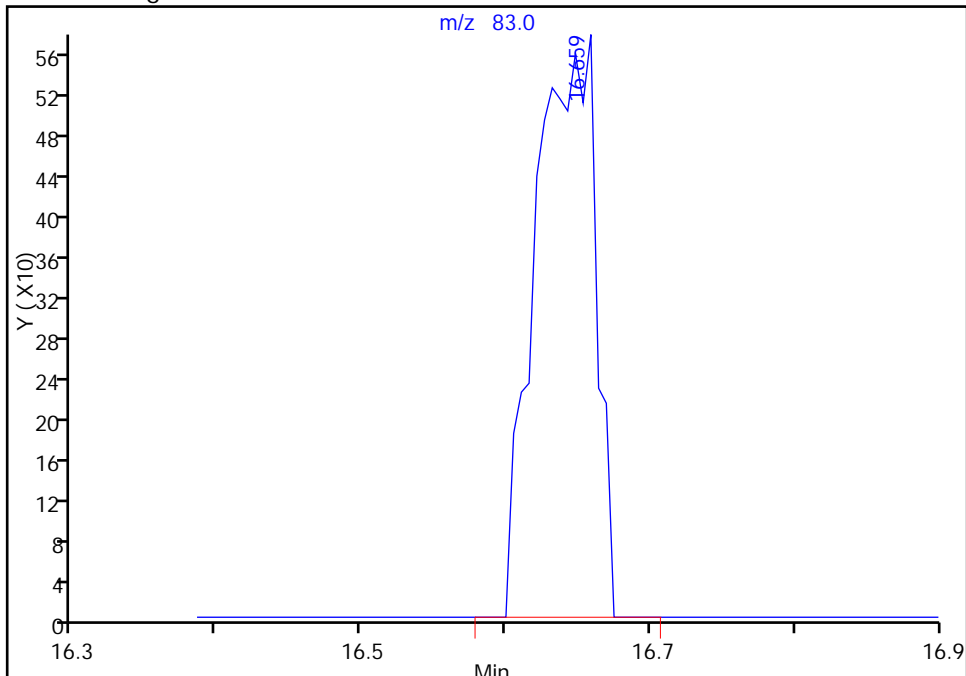
RT: 16.63
Area: 691
Amount: 0.018358
Amount Units: ppb v/v

Processing Integration Results



RT: 16.66
Area: 1674
Amount: 0.044475
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:48:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 02-Dec-2015 17:58:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-004
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 16:28:18 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:52:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.097	3.087	0.010	76	4266	0.2004	0.3783	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	11491	0.2004	0.1987	
3 Chlorodifluoromethane	51	3.210	3.204	0.006	95	5741	0.2004	0.2092	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.408	0.005	88	11824	0.2004	0.2027	
5 Chloromethane	50	3.552	3.541	0.011	98	3527	0.2004	0.2233	
6 Butane	43	3.734	3.729	0.005	97	5517	0.2004	0.2174	
7 Vinyl chloride	62	3.782	3.771	0.011	96	3935	0.2004	0.1870	
8 Butadiene	54	3.852	3.846	0.006	89	2730	0.2004	0.1866	
9 Bromomethane	94	4.504	4.499	0.005	99	4278	0.2004	0.2057	
10 Chloroethane	64	4.724	4.718	0.006	95	1972	0.2004	0.2019	
11 2-Methylbutane	43	4.782	4.777	0.005	86	3551	0.2004	0.2098	
12 Vinyl bromide	106	5.093	5.087	0.006	95	5217	0.2004	0.2084	
13 Trichlorofluoromethane	101	5.173	5.178	-0.005	69	12802	0.2004	0.2063	M
14 Pentane	43	5.312	5.307	0.005	97	6175	0.2004	0.2145	
15 Ethanol	45	5.890	5.761	0.129	99	3279	0.4009	0.4593	
16 Ethyl ether	59	5.954	5.820	0.134	92	2717	0.2004	0.1937	
17 Acrolein	56	6.264	6.200	0.064	46	1958	0.2004	0.3328	
18 1,1,2-Trichloro-1,2,2-trif	101	6.211	6.200	0.011	97	10207	0.2004	0.2102	
20 1,1-Dichloroethene	96	6.264	6.259	0.005	95	4756	0.2004	0.2029	
21 Acetone	43	6.623	6.510	0.113	96	16472	0.2004	0.6641	
22 Carbon disulfide	76	6.655	6.655	0.000	98	11895	0.2004	0.1957	
23 Isopropyl alcohol	45	7.029	6.821	0.208	92	5165	0.2004	0.2157	
24 3-Chloro-1-propene	41	7.035	7.029	0.006	95	4830	0.2004	0.2223	
25 Acetonitrile	41	7.233	7.179	0.054	98	2951	0.2004	0.2608	
26 Methylene Chloride	49	7.334	7.324	0.010	84	7491	0.2004	0.3442	
28 2-Methyl-2-propanol	59	7.810	7.618	0.192	94	7175	0.2004	0.1792	
29 Methyl tert-butyl ether	73	7.944	7.735	0.209	96	13055	0.2004	0.1972	
30 trans-1,2-Dichloroethene	61	7.762	7.757	0.005	91	6098	0.2004	0.1975	
31 Acrylonitrile	53	7.966	7.928	0.038	94	2733	0.2004	0.1959	
32 Hexane	57	8.137	8.131	0.006	87	6656	0.2004	0.2105	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.640	8.645	-0.005	97	8014	0.2004	0.1929	
34 Vinyl acetate	43	8.763	8.714	0.049	99	9289	0.2004	0.1970	
35 cis-1,2-Dichloroethene	96	9.784	9.779	0.005	86	5974	0.2004	0.1968	
36 2-Butanone (MEK)	72	9.950	9.838	0.112	99	3298	0.2004	0.2405	
37 Ethyl acetate	88		9.881				ND	ND	
S 38 1,2-Dichloroethene, Total	61				0		0.4009	0.3943	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	77	270815	10.0	10.0	
39 Tetrahydrofuran	42	10.437	10.287	0.150	80	4264	0.2004	0.1868	
41 Chloroform	83	10.400	10.400	0.000	93	11909	0.2004	0.2048	
42 Cyclohexane	84	10.651	10.651	0.000	92	8187	0.2004	0.1952	
43 1,1,1-Trichloroethane	97	10.694	10.683	0.011	69	11647	0.2004	0.1879	M
44 Carbon tetrachloride	117	10.945	10.945	0.000	97	12813	0.2004	0.1912	
45 Isooctane	57	11.405	11.395	0.010	98	27706	0.2004	0.1981	
46 Benzene	78	11.448	11.443	0.005	94	20613	0.2004	0.2072	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	97	7040	0.2004	0.1980	
48 n-Heptane	43	11.812	11.807	0.005	92	8879	0.2004	0.2021	
* 50 1,4-Difluorobenzene	114	12.342	12.342	0.000	92	1545737	10.0	10.0	
51 n-Butanol	56	12.903	12.818	0.085	80	4936	0.2004	0.3327	
52 Trichloroethene	95	12.834	12.839	-0.005	95	9403	0.2004	0.1946	
53 1,2-Dichloropropane	63	13.438	13.438	0.000	91	7007	0.2004	0.1970	
54 Methyl methacrylate	69	13.663	13.609	0.054	92	6450	0.2004	0.1798	
55 1,4-Dioxane	88	13.818	13.690	0.128	93	3781	0.2004	0.2241	
56 Dibromomethane	174	13.706	13.711	-0.005	92	11265	0.2004	0.2088	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	13096	0.2004	0.1845	
58 cis-1,3-Dichloropropene	75	15.000	14.995	0.005	87	10624	0.2004	0.1879	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	9036538	NC	NC	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	9036538	0.2004	104.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.402	15.321	0.081	91	11467	0.2004	0.2017	
62 Toluene	92	15.610	15.610	0.000	94	16716	0.2004	0.2056	
A 65 GRO	1		(15.653-15.653)				0.2004	ND	
66 n-Octane	43	15.658	15.653	0.005	85	12623	0.2004	0.2004	
67 trans-1,3-Dichloropropene	75	16.252	16.247	0.005	93	11425	0.2004	0.1993	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	94	7448	0.2004	0.1957	
69 Tetrachloroethene	166	16.739	16.739	0.000	98	14691	0.2004	0.1918	
70 2-Hexanone	43	17.188	17.135	0.053	99	12262	0.2004	0.2288	
71 Chlorodibromomethane	129	17.440	17.445	-0.005	97	13956	0.2004	0.1772	
72 Ethylene Dibromide	107	17.734	17.734	0.000	96	14359	0.2004	0.1919	
* 73 Chlorobenzene-d5	117	18.676	18.676	0.000	83	1446587	10.0	10.0	
74 Chlorobenzene	112	18.734	18.740	-0.006	98	23016	0.2004	0.1996	
75 Ethylbenzene	91	18.895	18.895	0.000	97	34523	0.2004	0.1952	
76 n-Nonane	57	19.023	19.018	0.005	82	13762	0.2004	0.1922	
77 m-Xylene & p-Xylene	106	19.157	19.162	-0.005	0	28748	0.4009	0.3963	
S 80 Xylenes, Total	106				0		0.6013	0.5910	
78 o-Xylene	106	20.056	20.061	-0.005	97	14169	0.2004	0.1948	
79 Styrene	104	20.120	20.120	0.000	94	21365	0.2004	0.1893	
81 Bromoform	173	20.580	20.580	0.000	98	11520	0.2004	0.1747	
82 Isopropylbenzene	105	20.789	20.789	0.000	94	40070	0.2004	0.1942	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	98	19316	0.2004	0.1952	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	47285	0.2004	0.1974	
87 1,2,3-Trichloropropane	75	21.591	21.597	-0.006	94	16378	0.2004	0.2192	
88 n-Decane	57	21.730	21.736	-0.006	91	16554	0.2004	0.2060	
89 4-Ethyltoluene	105	21.752	21.752	0.000	97	40777	0.2004	0.2121	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.762	21.768	-0.006	96	33231	0.2004	0.2043	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	33256	0.2004	0.2022	
92 Alpha Methyl Styrene	118	22.255	22.255	0.000	90	16247	0.2004	0.1905	
93 tert-Butylbenzene	119	22.378	22.378	0.000	95	32388	0.2004	0.2044	
94 1,2,4-Trimethylbenzene	105	22.474	22.479	-0.005	96	33464	0.2004	0.2053	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	48067	0.2004	0.2081	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	98	36664	0.2004	0.1861	
97 1,3-Dichlorobenzene	146	22.955	22.961	-0.006	95	25240	0.2004	0.2086	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	96	25649	0.2004	0.2095	
99 Benzyl chloride	91	23.308	23.308	0.000	99	21671	0.2004	0.1756	
101 n-Butylbenzene	91	23.517	23.517	0.000	98	33156	0.2004	0.1856	
100 Undecane	57	23.539	23.538	0.001	91	16517	0.2004	0.1802	
102 1,2-Dichlorobenzene	146	23.656	23.662	-0.006	99	24244	0.2004	0.2137	
103 Dodecane	57	25.176	25.176	0.000	95	11750	0.2004	0.1741	
104 1,2,4-Trichlorobenzene	180	26.262	26.261	0.001	93	16314	0.2004	0.1765	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	16600	0.2004	0.1950	
106 Naphthalene	128	26.770	26.770	0.000	99	34730	0.2004	0.1842	
107 1,2,3-Trichlorobenzene	180	27.267	27.267	0.000	94	14966	0.2004	0.1949	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00150

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_04.D

Injection Date: 02-Dec-2015 17:58:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

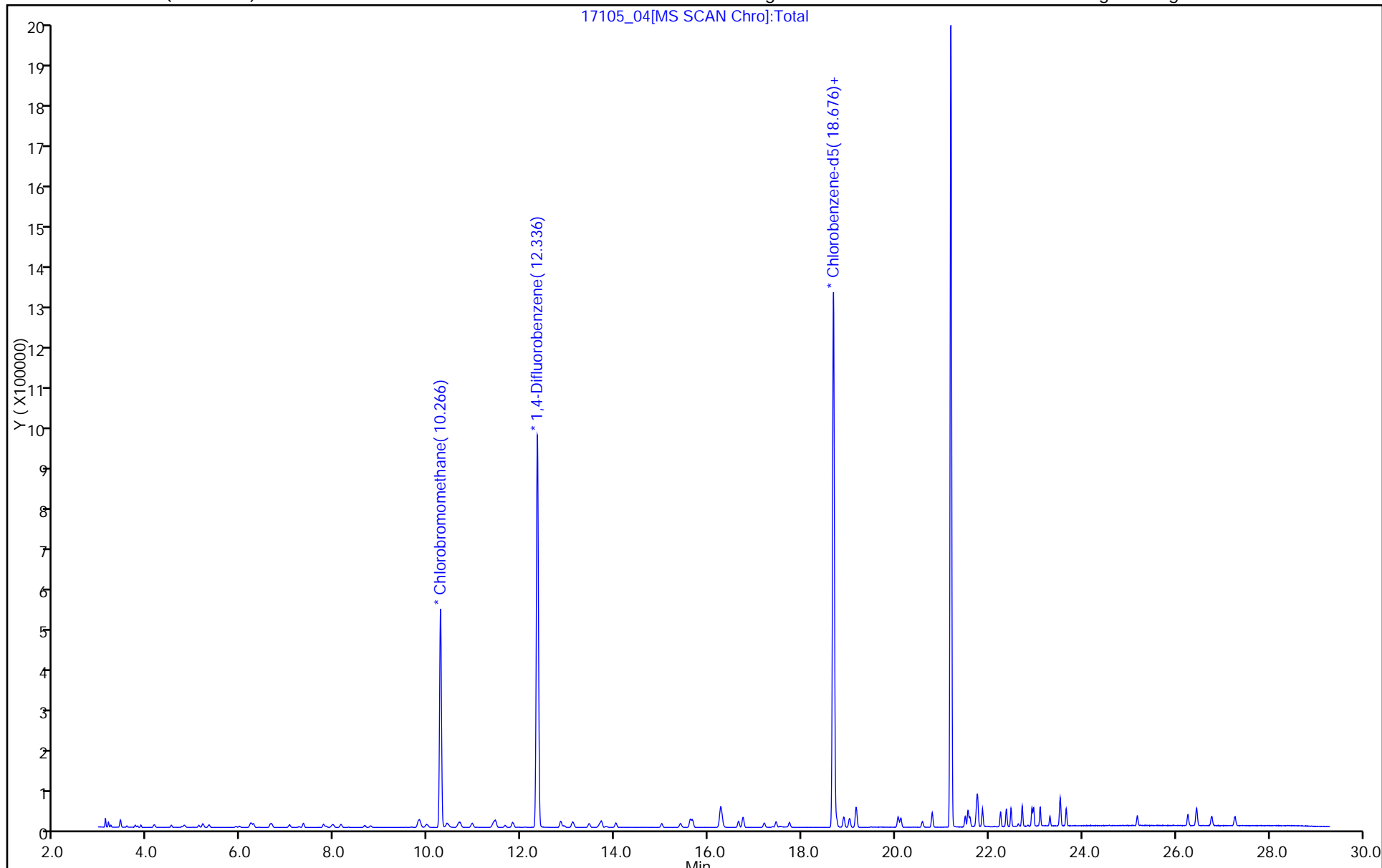
ALS Bottle#: 3

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



17105_04[MS SCAN Chro]:Total

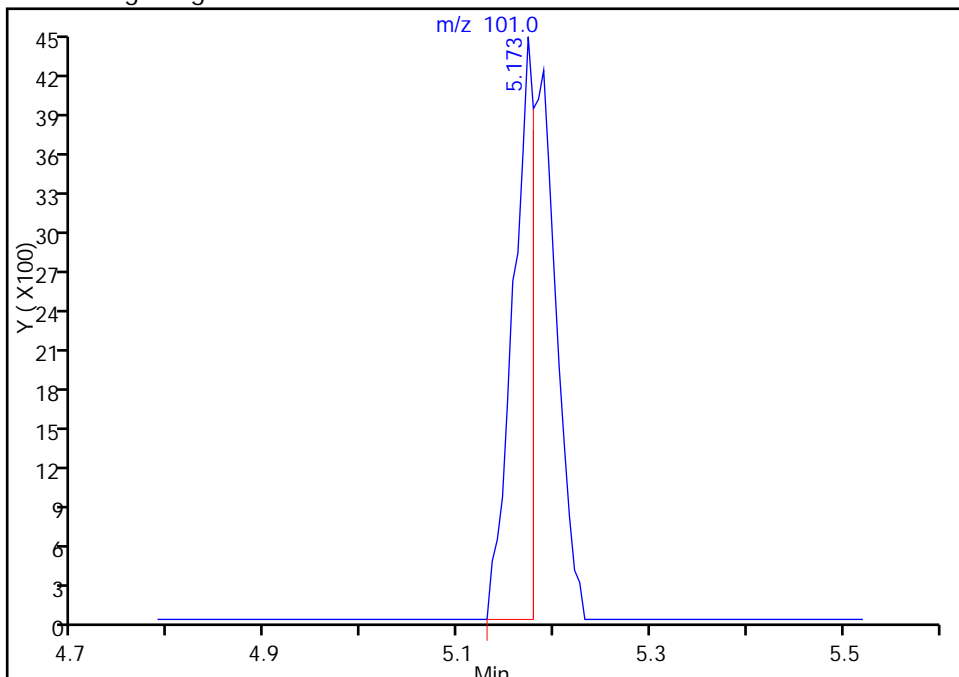
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_04.D
Injection Date: 02-Dec-2015 17:58:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

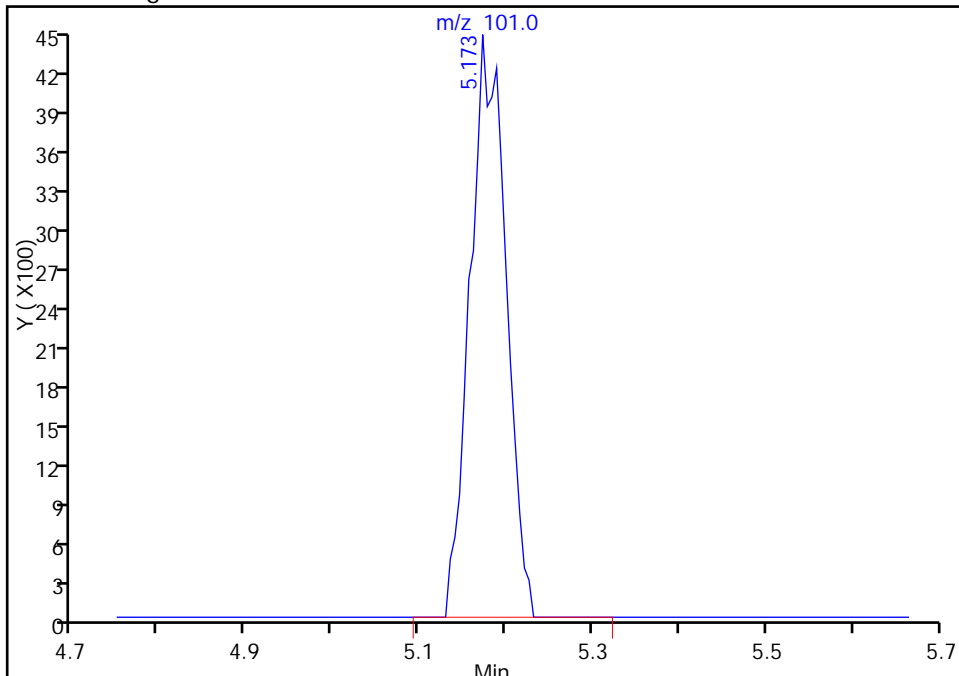
RT: 5.17
Area: 6709
Amount: 0.116248
Amount Units: ppb v/v

Processing Integration Results



RT: 5.17
Area: 12802
Amount: 0.206299
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:52:24
Audit Action: Manually Integrated
Audit Reason: Baseline

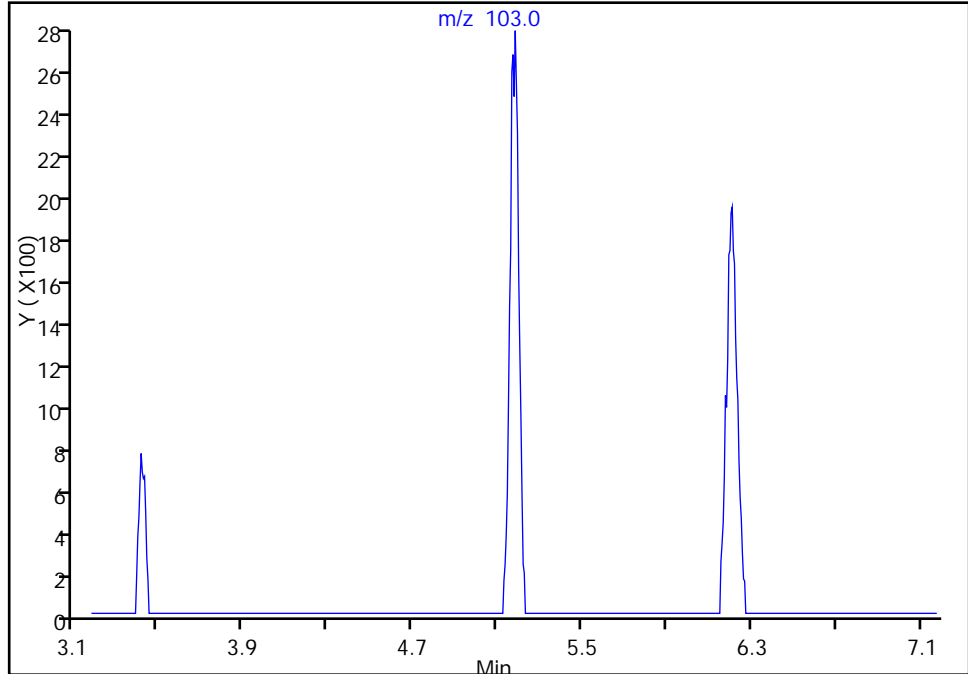
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_04.D
Injection Date: 02-Dec-2015 17:58:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

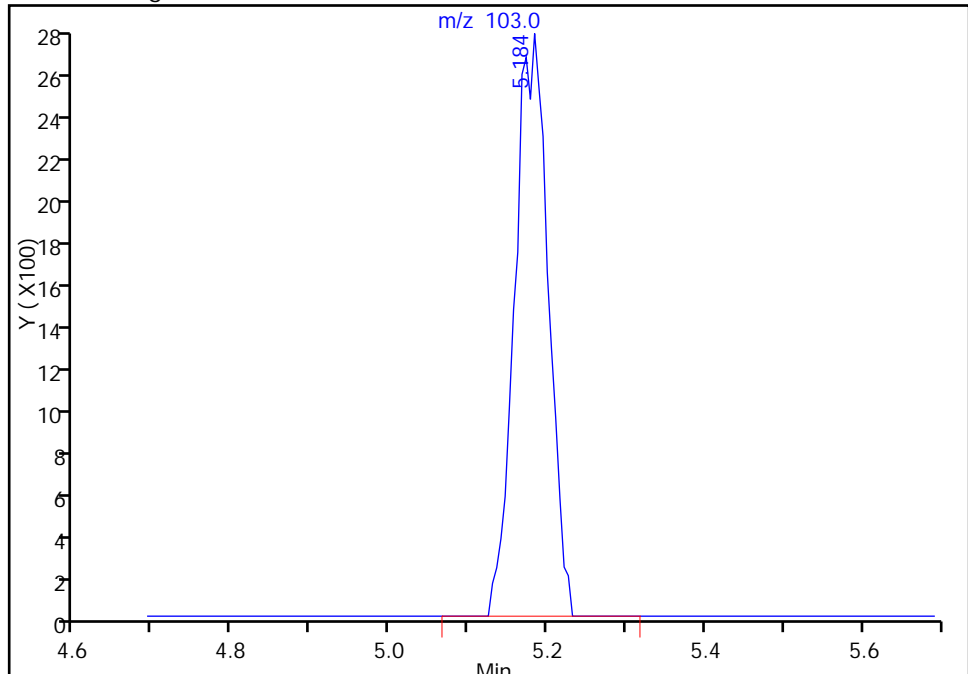
RT: 5.18
Area: 0
Amount: 0.116248
Amount Units: ppb v/v

Processing Integration Results



RT: 5.18
Area: 8163
Amount: 0.206299
Amount Units: ppb v/v

Manual Integration Results



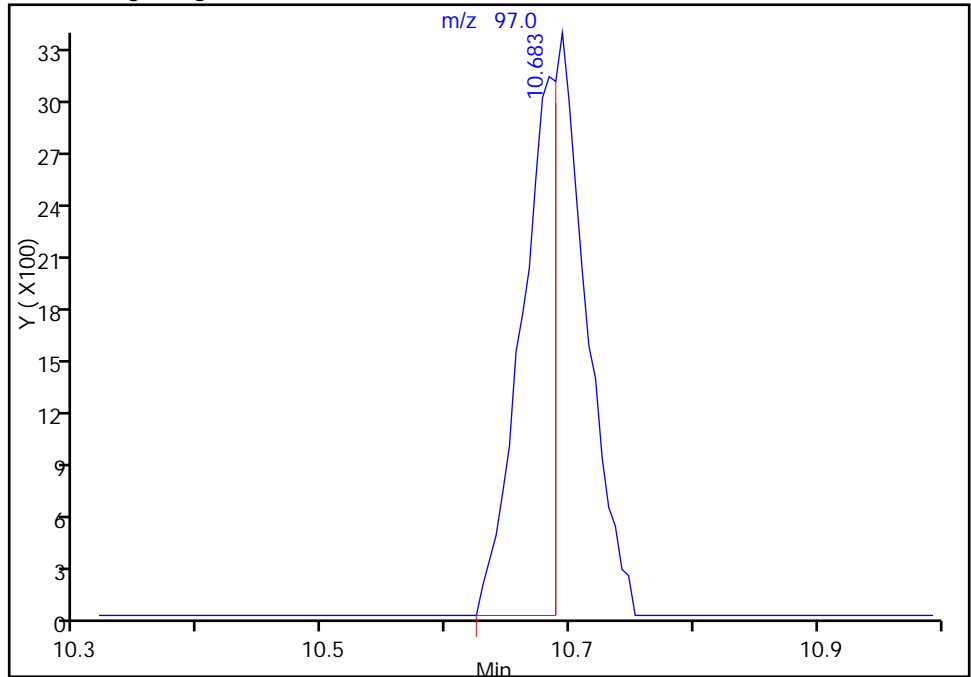
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_04.D
Injection Date: 02-Dec-2015 17:58:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 1,1,1-Trichloroethane, CAS: 71-55-6

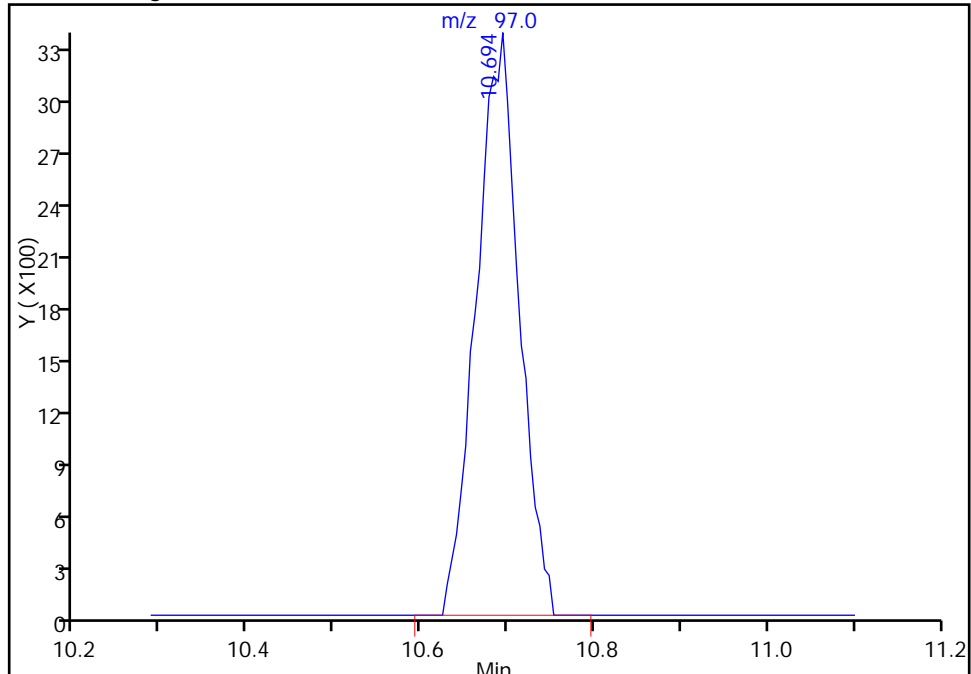
RT: 10.68
Area: 6368
Amount: 0.109377
Amount Units: ppb v/v

Processing Integration Results



RT: 10.69
Area: 11647
Amount: 0.187906
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:52:24
Audit Action: Manually Integrated
Audit Reason: Baseline

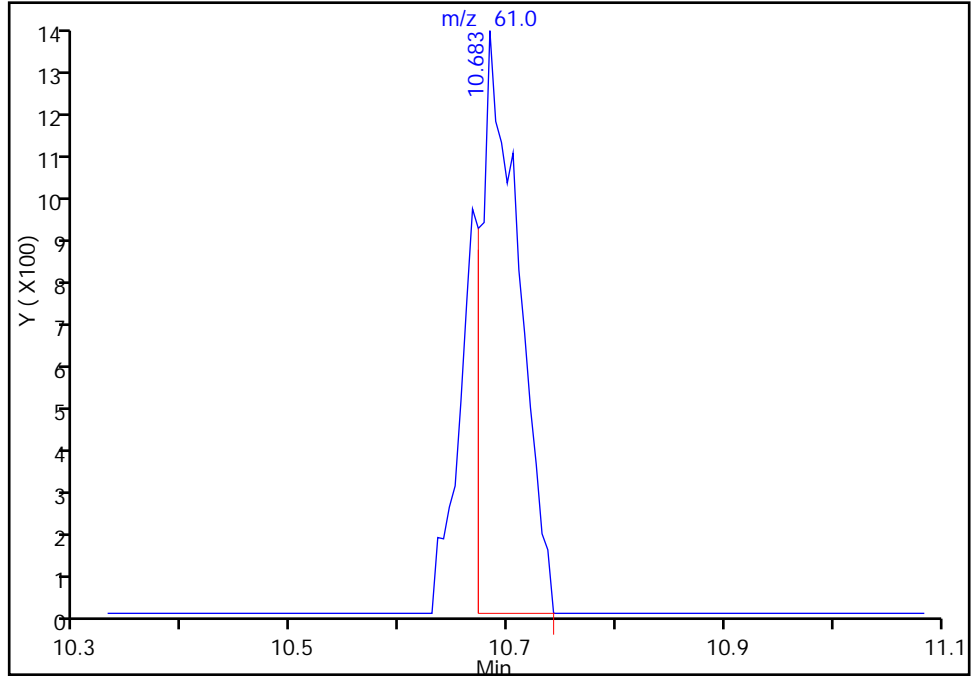
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_04.D
Injection Date: 02-Dec-2015 17:58:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

43 1,1,1-Trichloroethane, CAS: 71-55-6

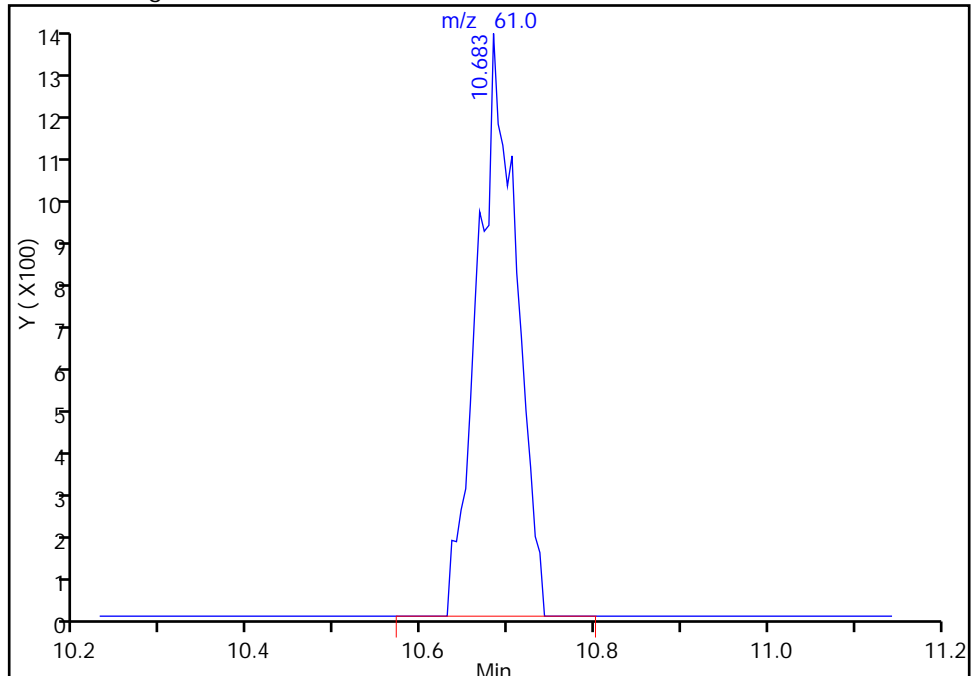
RT: 10.68
Area: 3285
Amount: 0.109377
Amount Units: ppb v/v

Processing Integration Results



RT: 10.68
Area: 4279
Amount: 0.187906
Amount Units: ppb v/v

Manual Integration Results



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 02-Dec-2015 18:49:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-005
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 16:28:20 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:53:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.092	3.087	0.005	93	7946	0.5005	0.7153	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	30054	0.5005	0.5276	
3 Chlorodifluoromethane	51	3.210	3.204	0.006	96	14083	0.5005	0.5208	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.408	0.005	89	30993	0.5005	0.5393	
5 Chloromethane	50	3.547	3.541	0.006	98	8298	0.5005	0.5333	
6 Butane	43	3.729	3.729	0.000	98	13508	0.5005	0.5403	
7 Vinyl chloride	62	3.782	3.771	0.011	98	10802	0.5005	0.5209	
8 Butadiene	54	3.852	3.846	0.006	90	7691	0.5005	0.5337	
9 Bromomethane	94	4.499	4.499	0.000	98	10529	0.5005	0.5138	
10 Chloroethane	64	4.724	4.718	0.006	97	5095	0.5005	0.5296	
11 2-Methylbutane	43	4.777	4.777	0.000	85	8869	0.5005	0.5319	
12 Vinyl bromide	106	5.087	5.087	0.000	98	13021	0.5005	0.5280	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	98	32003	0.5005	0.5235	
14 Pentane	43	5.312	5.307	0.005	97	15600	0.5005	0.5500	
15 Ethanol	45	5.831	5.761	0.070	97	36092	5.01	5.13	
16 Ethyl ether	59	5.927	5.820	0.107	90	7228	0.5005	0.5232	
17 Acrolein	56	6.264	6.200	0.064	42	3802	0.5005	0.6560	
18 1,1,2-Trichloro-1,2,2-trif	101	6.206	6.200	0.006	98	25453	0.5005	0.5321	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	95	12095	0.5005	0.5237	
21 Acetone	43	6.601	6.510	0.091	96	31626	0.5005	1.29	
22 Carbon disulfide	76	6.655	6.655	0.000	98	31162	0.5005	0.5205	
23 Isopropyl alcohol	45	7.003	6.821	0.182	98	13590	0.5005	0.5761	
24 3-Chloro-1-propene	41	7.035	7.029	0.006	93	11951	0.5005	0.5582	
25 Acetonitrile	41	7.227	7.179	0.048	98	6091	0.5005	0.5463	
26 Methylene Chloride	49	7.329	7.324	0.005	86	14239	0.5005	0.6641	
28 2-Methyl-2-propanol	59	7.794	7.618	0.176	92	15202	0.5005	0.3854	
29 Methyl tert-butyl ether	73	7.907	7.735	0.172	96	33132	0.5005	0.5080	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	95	15975	0.5005	0.5252	
31 Acrylonitrile	53	7.960	7.928	0.032	94	7101	0.5005	0.5166	
32 Hexane	57	8.137	8.131	0.006	88	16116	0.5005	0.5174	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.650	8.645	0.005	99	20774	0.5005	0.5076	
34 Vinyl acetate	43	8.752	8.714	0.038	99	23106	0.5005	0.4973	
35 cis-1,2-Dichloroethene	96	9.779	9.779	0.000	89	15722	0.5005	0.5257	
36 2-Butanone (MEK)	72	9.918	9.838	0.080	99	8227	0.5005	0.6091	
37 Ethyl acetate	88	9.956	9.881	0.075	99	1269	0.5005	0.5647	
S 38 1,2-Dichloroethene, Total	61				0		1.00	1.05	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	77	266799	10.0	10.0	
39 Tetrahydrofuran	42	10.405	10.287	0.118	57	11713	0.5005	0.5220	
41 Chloroform	83	10.400	10.400	0.000	95	29879	0.5005	0.5215	
42 Cyclohexane	84	10.646	10.651	-0.005	93	20798	0.5005	0.5043	
43 1,1,1-Trichloroethane	97	10.689	10.683	0.006	94	31532	0.5005	0.5174	
44 Carbon tetrachloride	117	10.940	10.945	-0.005	97	31649	0.5005	0.4803	
45 Isooctane	57	11.400	11.395	0.005	99	70202	0.5005	0.5105	
46 Benzene	78	11.443	11.443	0.000	94	50315	0.5005	0.5143	
47 1,2-Dichloroethane	62	11.652	11.646	0.006	97	17743	0.5005	0.5075	
48 n-Heptane	43	11.807	11.807	0.000	88	22129	0.5005	0.5123	
* 50 1,4-Difluorobenzene	114	12.336	12.342	-0.006	92	1519726	10.0	10.0	
51 n-Butanol	56	12.898	12.818	0.080	86	8015	0.5005	0.5494	
52 Trichloroethene	95	12.834	12.839	-0.005	96	24196	0.5005	0.5093	
53 1,2-Dichloropropane	63	13.444	13.438	0.006	93	17679	0.5005	0.5055	
54 Methyl methacrylate	69	13.652	13.609	0.043	92	17325	0.5005	0.4911	
55 1,4-Dioxane	88	13.786	13.690	0.096	95	8557	0.5005	0.5159	
56 Dibromomethane	174	13.711	13.711	0.000	92	27629	0.5005	0.5209	
57 Dichlorobromomethane	83	14.016	14.021	-0.005	98	34637	0.5005	0.4963	
58 cis-1,3-Dichloropropene	75	15.000	14.995	0.005	87	27586	0.5005	0.4961	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	15119648	NC	NC	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	15119648	0.5005	177.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.391	15.321	0.070	91	28347	0.5005	0.5070	
62 Toluene	92	15.610	15.610	0.000	92	40458	0.5005	0.5070	
A 65 GRO	1		(15.653-15.653)				0.5005	ND	
66 n-Octane	43	15.658	15.653	0.005	85	32409	0.5005	0.5234	
67 trans-1,3-Dichloropropene	75	16.247	16.247	0.000	94	28077	0.5005	0.4982	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	92	18715	0.5005	0.5010	
69 Tetrachloroethene	166	16.739	16.739	0.000	96	38483	0.5005	0.5120	
70 2-Hexanone	43	17.183	17.135	0.048	98	27434	0.5005	0.5218	
71 Chlorodibromomethane	129	17.445	17.445	0.000	98	36377	0.5005	0.4707	
72 Ethylene Dibromide	107	17.734	17.734	0.000	99	36619	0.5005	0.4986	
* 73 Chlorobenzene-d5	117	18.676	18.676	0.000	83	1419530	10.0	10.0	
74 Chlorobenzene	112	18.740	18.740	0.000	97	58123	0.5005	0.5136	
75 Ethylbenzene	91	18.900	18.895	0.005	97	88923	0.5005	0.5124	
76 n-Nonane	57	19.018	19.018	0.000	83	36090	0.5005	0.5138	
77 m-Xylene & p-Xylene	106	19.157	19.162	-0.005	0	73885	1.00	1.04	
S 80 Xylenes, Total	106				0		1.50	1.56	
78 o-Xylene	106	20.061	20.061	0.000	96	36947	0.5005	0.5176	
79 Styrene	104	20.115	20.120	-0.005	95	54630	0.5005	0.4934	
81 Bromoform	173	20.580	20.580	0.000	99	27955	0.5005	0.4320	
82 Isopropylbenzene	105	20.789	20.789	0.000	94	102794	0.5005	0.5076	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	99	49327	0.5005	0.5080	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	120921	0.5005	0.5145	
87 1,2,3-Trichloropropane	75	21.597	21.597	0.000	96	37865	0.5005	0.5165	
88 n-Decane	57	21.736	21.736	0.000	91	44901	0.5005	0.5693	
89 4-Ethyltoluene	105	21.752	21.752	0.000	97	104010	0.5005	0.5512	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.762	21.768	-0.006	96	83443	0.5005	0.5227	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	85205	0.5005	0.5279	
92 Alpha Methyl Styrene	118	22.249	22.255	-0.006	92	42801	0.5005	0.5114	
93 tert-Butylbenzene	119	22.378	22.378	0.000	96	85636	0.5005	0.5507	
94 1,2,4-Trimethylbenzene	105	22.474	22.479	-0.005	96	86705	0.5005	0.5421	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	126852	0.5005	0.5598	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	97	82530	0.5005	0.4268	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	63184	0.5005	0.5321	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	97	63585	0.5005	0.5293	
99 Benzyl chloride	91	23.309	23.308	0.001	100	61030	0.5005	0.5040	
101 n-Butylbenzene	91	23.517	23.517	0.000	97	77369	0.5005	0.4414	
100 Undecane	57	23.533	23.538	-0.005	91	45032	0.5005	0.5008	
102 1,2-Dichlorobenzene	146	23.656	23.662	-0.006	98	58972	0.5005	0.5296	
103 Dodecane	57	25.176	25.176	0.000	95	33898	0.5005	0.5118	
104 1,2,4-Trichlorobenzene	180	26.262	26.261	0.001	94	38253	0.5005	0.4218	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	43461	0.5005	0.5204	
106 Naphthalene	128	26.770	26.770	0.000	99	79556	0.5005	0.4300	
107 1,2,3-Trichlorobenzene	180	27.267	27.267	0.000	97	34948	0.5005	0.4639	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL2w_00201

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_05.D

Injection Date: 02-Dec-2015 18:49:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

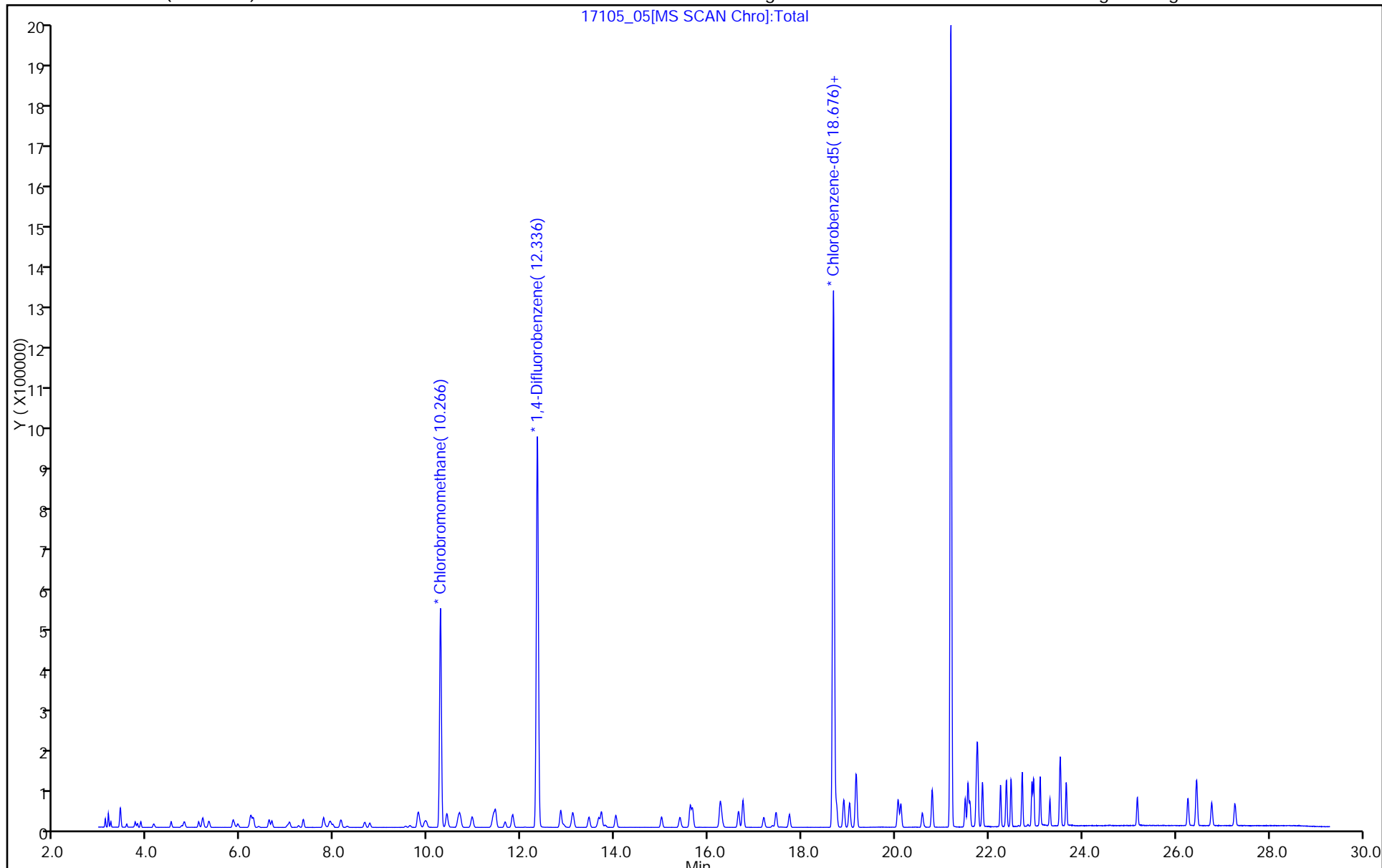
ALS Bottle#: 4

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 02-Dec-2015 19:39:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-006
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 16:28:22 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:54:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.086	3.087	-0.001	99	60450	4.99	5.35	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	304381	4.99	5.25	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	97	144288	4.99	5.25	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.408	-0.001	89	307648	4.99	5.26	
5 Chloromethane	50	3.541	3.541	0.000	99	82029	4.99	5.18	
6 Butane	43	3.728	3.729	-0.001	98	131799	4.99	5.18	
7 Vinyl chloride	62	3.777	3.771	0.006	98	110676	4.99	5.25	
8 Butadiene	54	3.846	3.846	0.000	91	77941	4.99	5.32	
9 Bromomethane	94	4.499	4.499	0.000	98	109046	4.99	5.23	
10 Chloroethane	64	4.718	4.718	0.000	99	49154	4.99	5.02	
11 2-Methylbutane	43	4.777	4.777	0.000	90	87203	4.99	5.14	
12 Vinyl bromide	106	5.087	5.087	0.000	99	129106	4.99	5.15	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	98	320642	4.99	5.16	
14 Pentane	43	5.312	5.307	0.005	98	149072	4.99	5.17	
15 Ethanol	45	5.783	5.761	0.022	99	76035	10.0	10.6	
16 Ethyl ether	59	5.842	5.820	0.022	95	74147	4.99	5.28	
17 Acrolein	56	6.211	6.200	0.011	93	32718	4.99	5.55	
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.200	0.005	99	250320	4.99	5.15	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	96	120122	4.99	5.12	
21 Acetone	43	6.532	6.510	0.022	96	132246	4.99	5.32	
22 Carbon disulfide	76	6.655	6.655	0.000	98	317319	4.99	5.21	
23 Isopropyl alcohol	45	6.869	6.821	0.048	100	130024	4.99	5.42	
24 3-Chloro-1-propene	41	7.035	7.029	0.006	94	109938	4.99	5.05	
25 Acetonitrile	41	7.190	7.179	0.011	99	59409	4.99	5.24	
26 Methylene Chloride	49	7.329	7.324	0.005	84	108882	4.99	4.99	
28 2-Methyl-2-propanol	59	7.666	7.618	0.048	92	217753	4.99	5.43	
29 Methyl tert-butyl ether	73	7.757	7.735	0.022	96	348521	4.99	5.25	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	95	163257	4.99	5.28	
31 Acrylonitrile	53	7.933	7.928	0.005	96	72771	4.99	5.21	
32 Hexane	57	8.131	8.131	0.000	88	164153	4.99	5.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.645	8.645	0.000	99	211820	4.99	5.09	
34 Vinyl acetate	43	8.725	8.714	0.011	99	246689	4.99	5.22	
35 cis-1,2-Dichloroethene	96	9.779	9.779	0.000	87	157437	4.99	5.18	
36 2-Butanone (MEK)	72	9.854	9.838	0.016	99	68763	4.99	5.01	
37 Ethyl acetate	88	9.891	9.881	0.010	99	11710	4.99	5.12	
S 38 1,2-Dichloroethene, Total	61				0		9.99	10.5	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	83	271306	10.0	10.0	
39 Tetrahydrofuran	42	10.314	10.287	0.027	86	119458	4.99	5.29	
41 Chloroform	83	10.399	10.400	-0.001	94	302339	4.99	5.19	
42 Cyclohexane	84	10.651	10.651	0.000	93	216175	4.99	5.21	
43 1,1,1-Trichloroethane	97	10.688	10.683	0.005	93	317354	4.99	5.18	
44 Carbon tetrachloride	117	10.945	10.945	0.000	97	339261	4.99	5.12	
45 Isooctane	57	11.400	11.395	0.005	99	718949	4.99	5.20	
46 Benzene	78	11.443	11.443	0.000	94	504800	4.99	5.13	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	98	180913	4.99	5.14	
48 n-Heptane	43	11.806	11.807	-0.001	85	225063	4.99	5.18	
* 50 1,4-Difluorobenzene	114	12.341	12.342	-0.001	92	1528955	10.0	10.0	
51 n-Butanol	56	12.844	12.818	0.026	40	74074	4.99	5.05	
52 Trichloroethene	95	12.844	12.839	0.005	96	240077	4.99	5.02	
53 1,2-Dichloropropane	63	13.438	13.438	0.000	95	181118	4.99	5.15	
54 Methyl methacrylate	69	13.620	13.609	0.011	93	180138	4.99	5.08	
55 1,4-Dioxane	88	13.711	13.690	0.021	44	92364	4.99	5.53	
56 Dibromomethane	174	13.711	13.711	0.000	92	274321	4.99	5.14	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	363320	4.99	5.17	
58 cis-1,3-Dichloropropene	75	14.995	14.995	0.000	87	288154	4.99	5.15	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	109958773	NC	NC	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	109958773	4.99	1279.3	
61 4-Methyl-2-pentanone (MIBK)	43	15.337	15.321	0.016	92	265055	4.99	4.71	
62 Toluene	92	15.610	15.610	0.000	93	414062	4.99	5.17	
A 65 GRO	1	15.653	(15.653-15.653)		0	1384765	4.99	0	
66 n-Octane	43	15.658	15.653	0.005	84	325629	4.99	5.23	
67 trans-1,3-Dichloropropene	75	16.247	16.247	0.000	93	289052	4.99	5.10	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	93	192865	4.99	5.15	
69 Tetrachloroethene	166	16.744	16.739	0.005	96	381901	4.99	5.07	
70 2-Hexanone	43	17.145	17.135	0.010	98	277073	4.99	5.25	
71 Chlorodibromomethane	129	17.445	17.445	0.000	98	402125	4.99	5.19	
72 Ethylene Dibromide	107	17.734	17.734	0.000	98	381770	4.99	5.18	
* 73 Chlorobenzene-d5	117	18.675	18.676	-0.001	83	1423984	10.0	10.0	
74 Chlorobenzene	112	18.740	18.740	0.000	98	586968	4.99	5.17	
75 Ethylbenzene	91	18.895	18.895	0.000	97	903597	4.99	5.19	
76 n-Nonane	57	19.018	19.018	0.000	84	369522	4.99	5.24	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	752068	9.99	10.5	
S 80 Xylenes, Total	106				0		15.0	15.7	
78 o-Xylene	106	20.061	20.061	0.000	99	372724	4.99	5.20	
79 Styrene	104	20.120	20.120	0.000	95	586875	4.99	5.28	
81 Bromoform	173	20.580	20.580	0.000	99	330732	4.99	5.10	
82 Isopropylbenzene	105	20.789	20.789	0.000	94	1063557	4.99	5.24	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	98	513363	4.99	5.27	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	1253155	4.99	5.32	
87 1,2,3-Trichloropropane	75	21.596	21.597	-0.001	96	385072	4.99	5.24	
88 n-Decane	57	21.736	21.736	0.000	91	350198	4.99	4.43	
89 4-Ethyltoluene	105	21.752	21.752	0.000	98	1073648	4.99	5.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.768	21.768	0.000	96	852529	4.99	5.32	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	95	894741	4.99	5.53	
92 Alpha Methyl Styrene	118	22.254	22.255	-0.001	92	471868	4.99	5.62	
93 tert-Butylbenzene	119	22.377	22.378	-0.001	95	863443	4.99	5.54	
94 1,2,4-Trimethylbenzene	105	22.479	22.479	0.000	96	873686	4.99	5.45	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	1121864	4.99	4.94	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	98	938085	4.99	4.84	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	664954	4.99	5.58	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	96	669200	4.99	5.55	
99 Benzyl chloride	91	23.308	23.308	0.000	100	584516	4.99	4.81	
101 n-Butylbenzene	91	23.517	23.517	0.000	97	973486	4.99	5.54	
100 Undecane	57	23.538	23.538	0.000	91	489372	4.99	5.43	
102 1,2-Dichlorobenzene	146	23.656	23.662	-0.006	98	595015	4.99	5.33	
103 Dodecane	57	25.175	25.176	-0.001	96	406933	4.99	6.13	
104 1,2,4-Trichlorobenzene	180	26.261	26.261	0.000	94	513068	4.99	5.64	
105 Hexachlorobutadiene	225	26.443	26.449	-0.006	96	469069	4.99	5.60	
106 Naphthalene	128	26.770	26.770	0.000	99	1074594	4.99	5.79	
107 1,2,3-Trichlorobenzene	180	27.267	27.267	0.000	96	446728	4.99	5.91	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00157

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_06.D

Injection Date: 02-Dec-2015 19:39:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

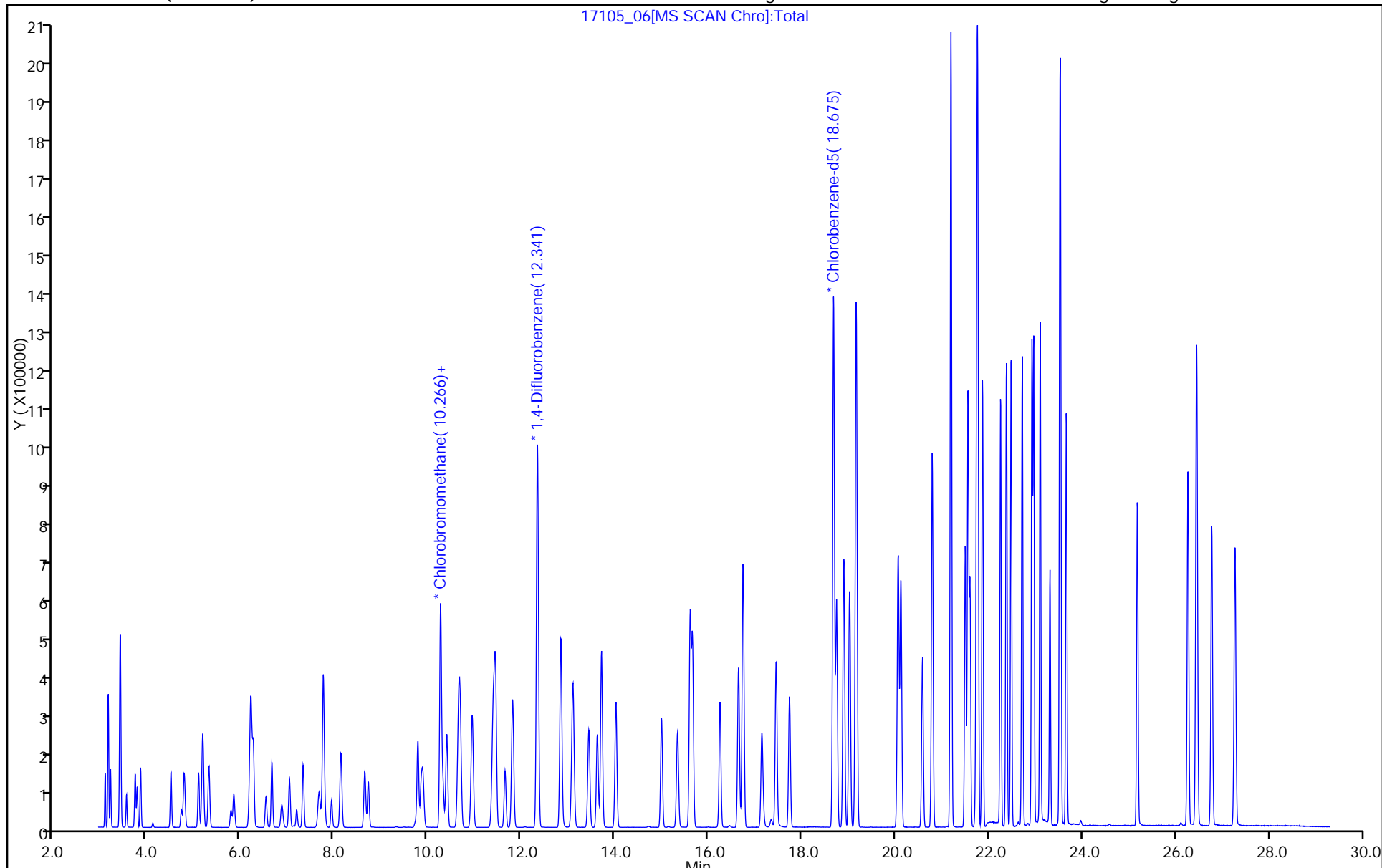
ALS Bottle#: 5

Method: TO15_LL NJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_07.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 02-Dec-2015 20:30:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-007
 Misc. Info.: icis
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 09:43:23 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK036

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:43:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.087	3.087	0.000	99	114988	10.0	10.2	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	586425	10.0	10.2	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	98	277569	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.408	3.408	0.000	97	589634	10.0	10.1	
5 Chloromethane	50	3.541	3.541	0.000	99	158488	10.0	10.1	
6 Butane	43	3.729	3.729	0.000	98	255663	10.0	10.1	
7 Vinyl chloride	62	3.771	3.771	0.000	98	214668	10.0	10.2	
8 Butadiene	54	3.846	3.846	0.000	92	148800	10.0	10.2	
9 Bromomethane	94	4.499	4.499	0.000	99	206986	10.0	9.99	
10 Chloroethane	64	4.718	4.718	0.000	99	100800	10.0	10.4	
11 2-Methylbutane	43	4.777	4.777	0.000	90	169009	10.0	10.0	
12 Vinyl bromide	106	5.087	5.087	0.000	99	250296	10.0	10.0	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	98	621116	10.0	10.8	
14 Pentane	43	5.307	5.307	0.000	98	287702	10.0	10.0	
15 Ethanol	45	5.761	5.761	0.000	98	106471	15.0	13.5	
16 Ethyl ether	59	5.820	5.820	0.000	95	142812	10.0	10.2	
18 1,1,2-Trichloro-1,2,2-trif	101	6.200	6.200	0.000	98	487747	10.0	10.1	
17 Acrolein	56	6.200	6.200	0.000	96	63135	10.0	10.8	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	96	238029	10.0	10.2	
21 Acetone	43	6.510	6.510	0.000	96	251875	10.0	10.2	
22 Carbon disulfide	76	6.655	6.655	0.000	98	616412	10.0	10.2	
23 Isopropyl alcohol	45	6.821	6.821	0.000	100	252350	10.0	10.6	
24 3-Chloro-1-propene	41	7.029	7.029	0.000	95	219486	10.0	10.1	
25 Acetonitrile	41	7.179	7.179	0.000	100	118352	10.0	10.5	
26 Methylene Chloride	49	7.324	7.324	0.000	85	209310	10.0	9.65	
28 2-Methyl-2-propanol	59	7.618	7.618	0.000	92	416982	10.0	10.5	
29 Methyl tert-butyl ether	73	7.735	7.735	0.000	96	673615	10.0	10.2	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	95	313054	10.0	10.2	
31 Acrylonitrile	53	7.928	7.928	0.000	95	142264	10.0	10.2	
32 Hexane	57	8.131	8.131	0.000	88	318705	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.645	8.645	0.000	99	414600	10.0	10.0	
34 Vinyl acetate	43	8.714	8.714	0.000	99	480664	10.0	10.2	
35 cis-1,2-Dichloroethene	96	9.779	9.779	0.000	88	308906	10.0	10.2	
36 2-Butanone (MEK)	72	9.838	9.838	0.000	99	134645	10.0	9.86	
37 Ethyl acetate	88	9.881	9.881	0.000	99	24042	10.0	10.6	
S 38 1,2-Dichloroethene, Total	61				0		20.0	20.4	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	77	269793	10.0	10.0	
39 Tetrahydrofuran	42	10.287	10.287	0.000	86	227464	10.0	10.2	
41 Chloroform	83	10.400	10.400	0.000	95	583069	10.0	10.1	
42 Cyclohexane	84	10.651	10.651	0.000	93	419088	10.0	10.2	
43 1,1,1-Trichloroethane	97	10.683	10.683	0.000	95	614979	10.0	10.8	
44 Carbon tetrachloride	117	10.945	10.945	0.000	97	667505	10.0	10.2	
45 Isooctane	57	11.395	11.395	0.000	99	1393883	10.0	10.2	
46 Benzene	78	11.443	11.443	0.000	94	977805	10.0	10.0	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	98	349078	10.0	10.0	
48 n-Heptane	43	11.807	11.807	0.000	85	433838	10.0	10.1	
* 50 1,4-Difluorobenzene	114	12.342	12.342	0.000	92	1512521	10.0	10.0	
51 n-Butanol	56	12.818	12.818	0.000	81	147303	10.0	10.1	
52 Trichloroethene	95	12.839	12.839	0.000	96	461562	10.0	10.2	
53 1,2-Dichloropropane	63	13.438	13.438	0.000	94	351720	10.0	9.97	
54 Methyl methacrylate	69	13.609	13.609	0.000	92	356127	10.0	9.81	
55 1,4-Dioxane	88	13.690	13.690	0.000	86	175088	10.0	10.7	
56 Dibromomethane	174	13.711	13.711	0.000	92	531006	10.0	10.1	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	708451	10.0	10.2	
58 cis-1,3-Dichloropropene	75	14.995	14.995	0.000	87	567384	10.0	10.3	
A 60 TVOC as Toluene	1	15.228	(3.054-27.438)		0	205827672	10.0	2420.7	
A 59 Total Hydrocarbons	1	15.228	(3.054-27.438)		0	205827672	NC	NC	
61 4-Methyl-2-pentanone (MIBK)	43	15.321	15.321	0.000	92	579908	10.0	10.4	
62 Toluene	92	15.610	15.610	0.000	93	801037	10.0	10.1	
66 n-Octane	43	15.653	15.653	0.000	85	627359	10.0	10.2	
A 65 GRO	1	15.653	(15.653-15.653)		0	2612388	10.0	0	
67 trans-1,3-Dichloropropene	75	16.247	16.247	0.000	93	566478	10.0	10.1	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	93	377609	10.0	10.2	
69 Tetrachloroethene	166	16.739	16.739	0.000	98	743519	10.0	9.95	
70 2-Hexanone	43	17.135	17.135	0.000	98	515126	10.0	9.86	
71 Chlorodibromomethane	129	17.445	17.445	0.000	98	802510	10.0	10.4	
72 Ethylene Dibromide	107	17.734	17.734	0.000	98	746512	10.0	10.2	
* 73 Chlorobenzene-d5	117	18.676	18.676	0.000	83	1410922	10.0	10.0	
74 Chlorobenzene	112	18.740	18.740	0.000	98	1136840	10.0	10.1	
75 Ethylbenzene	91	18.895	18.895	0.000	97	1753406	10.0	10.2	
76 n-Nonane	57	19.018	19.018	0.000	84	716553	10.0	10.3	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	1452518	20.0	20.5	
S 80 Xylenes, Total	106				0		30.0	30.7	
78 o-Xylene	106	20.061	20.061	0.000	99	720436	10.0	10.2	
79 Styrene	104	20.120	20.120	0.000	94	1135882	10.0	10.3	
81 Bromoform	173	20.580	20.580	0.000	99	679792	10.0	10.6	
82 Isopropylbenzene	105	20.789	20.789	0.000	94	2054864	10.0	10.2	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	98	996301	10.0	10.3	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	2417554	10.0	10.3	
87 1,2,3-Trichloropropane	75	21.597	21.597	0.000	94	743108	10.0	10.2	
88 n-Decane	57	21.736	21.736	0.000	90	761115	10.0	9.71	
89 4-Ethyltoluene	105	21.752	21.752	0.000	98	2049958	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.768	21.768	0.000	96	1644818	10.0	10.4	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	1697552	10.0	10.6	
92 Alpha Methyl Styrene	118	22.255	22.255	0.000	92	897348	10.0	10.8	
93 tert-Butylbenzene	119	22.378	22.378	0.000	96	1530086	10.0	9.90	
94 1,2,4-Trimethylbenzene	105	22.479	22.479	0.000	96	1473107	10.0	9.27	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	2039196	10.0	9.05	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	97	2098753	10.0	10.9	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	1225712	10.0	10.4	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	96	1168333	10.0	9.78	
99 Benzyl chloride	91	23.308	23.308	0.000	100	1053539	10.0	8.75	
101 n-Butylbenzene	91	23.517	23.517	0.000	97	1943267	10.0	11.2	
100 Undecane	57	23.538	23.538	0.000	91	940529	10.0	10.5	
102 1,2-Dichlorobenzene	146	23.662	23.662	0.000	98	923514	10.0	8.34	
103 Dodecane	57	25.176	25.176	0.000	95	788045	10.0	12.0	
104 1,2,4-Trichlorobenzene	180	26.261	26.261	0.000	94	931840	10.0	10.3	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	901425	10.0	10.9	
106 Naphthalene	128	26.770	26.770	0.000	99	1708433	10.0	9.29	
107 1,2,3-Trichlorobenzene	180	27.267	27.267	0.000	96	806139	10.0	10.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00516

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_07.D

Injection Date: 02-Dec-2015 20:30:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: icis

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

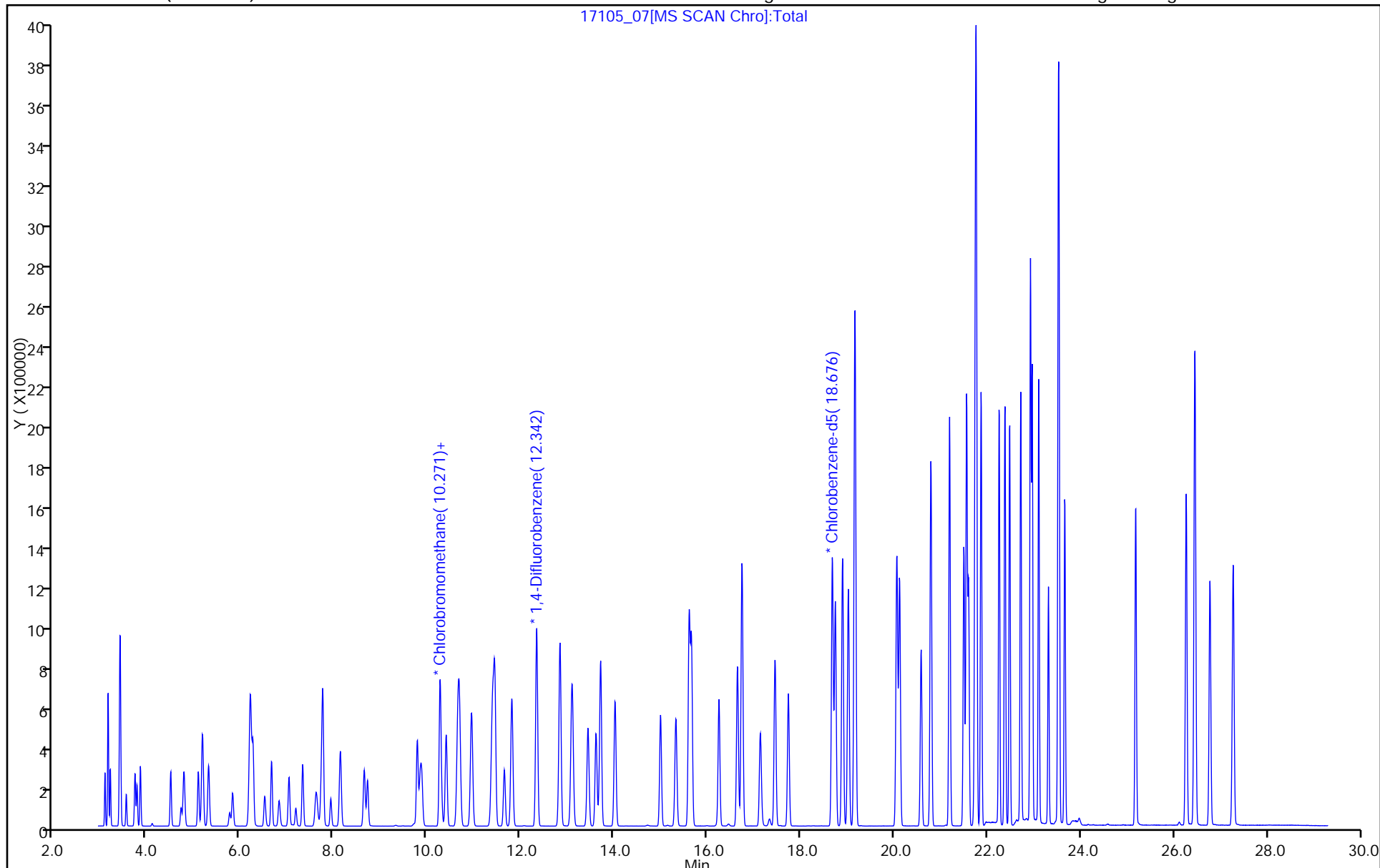
ALS Bottle#: 6

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_08.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 02-Dec-2015 21:21:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-008
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 16:28:24 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:55:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.086	3.087	-0.001	98	172300	15.0	15.2	
2 Dichlorodifluoromethane	85	3.151	3.156	-0.005	99	867886	15.0	14.9	
3 Chlorodifluoromethane	51	3.199	3.204	-0.005	98	414020	15.0	15.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.408	-0.001	96	873255	15.0	14.9	
5 Chloromethane	50	3.541	3.541	0.000	99	236623	15.0	14.9	
6 Butane	43	3.728	3.729	-0.001	98	381118	15.0	14.9	
7 Vinyl chloride	62	3.771	3.771	0.000	98	319750	15.0	15.1	
8 Butadiene	54	3.846	3.846	0.000	92	222527	15.0	15.1	
9 Bromomethane	94	4.499	4.499	0.000	99	305221	15.0	14.6	
10 Chloroethane	64	4.718	4.718	0.000	99	149666	15.0	15.3	
11 2-Methylbutane	43	4.782	4.777	0.005	89	251763	15.0	14.8	
12 Vinyl bromide	106	5.087	5.087	0.000	99	373026	15.0	14.8	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	99	924716	15.0	14.8	
14 Pentane	43	5.307	5.307	0.000	98	427143	15.0	14.8	
15 Ethanol	45	5.751	5.761	-0.010	98	165428	20.0	23.1	
16 Ethyl ether	59	5.820	5.820	0.000	95	210676	15.0	14.9	
17 Acrolein	56	6.200	6.200	0.000	59	79433	15.0	13.4	
18 1,1,2-Trichloro-1,2,2-trif	101	6.200	6.200	0.000	98	725423	15.0	14.9	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	96	356530	15.0	15.1	
21 Acetone	43	6.505	6.510	-0.005	96	388245	15.0	15.6	
22 Carbon disulfide	76	6.660	6.655	0.005	98	920142	15.0	15.1	
23 Isopropyl alcohol	45	6.810	6.821	-0.011	100	351990	15.0	14.6	
24 3-Chloro-1-propene	41	7.029	7.029	0.000	94	298765	15.0	13.7	
25 Acetonitrile	41	7.179	7.179	0.000	100	166193	15.0	14.6	
26 Methylene Chloride	49	7.323	7.324	-0.001	85	306835	15.0	14.0	
28 2-Methyl-2-propanol	59	7.596	7.618	-0.022	92	589963	15.0	14.7	
29 Methyl tert-butyl ether	73	7.735	7.735	0.000	96	1006910	15.0	15.1	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	95	467866	15.0	15.1	
31 Acrylonitrile	53	7.928	7.928	0.000	95	210805	15.0	15.0	
32 Hexane	57	8.131	8.131	0.000	88	473838	15.0	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.645	8.645	0.000	100	618376	15.0	14.8	
34 Vinyl acetate	43	8.714	8.714	0.000	99	719568	15.0	15.2	
35 cis-1,2-Dichloroethene	96	9.784	9.779	0.005	87	460766	15.0	15.1	
36 2-Butanone (MEK)	72	9.843	9.838	0.005	100	200330	15.0	14.5	
37 Ethyl acetate	88	9.875	9.881	-0.006	99	34895	15.0	15.2	
S 38 1,2-Dichloroethene, Total	61				0		30.0	30.2	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	78	272139	10.0	10.0	
39 Tetrahydrofuran	42	10.276	10.287	-0.011	96	337280	15.0	14.8	
41 Chloroform	83	10.399	10.400	-0.001	95	869916	15.0	14.9	
42 Cyclohexane	84	10.651	10.651	0.000	93	625197	15.0	15.0	
43 1,1,1-Trichloroethane	97	10.688	10.683	0.005	94	922839	15.0	15.0	
44 Carbon tetrachloride	117	10.945	10.945	0.000	97	984388	15.0	14.8	
45 Isooctane	57	11.400	11.395	0.005	99	2072089	15.0	14.9	
46 Benzene	78	11.443	11.443	0.000	94	1454991	15.0	14.7	
47 1,2-Dichloroethane	62	11.651	11.646	0.005	98	524553	15.0	14.8	
48 n-Heptane	43	11.812	11.807	0.005	85	649215	15.0	14.8	
* 50 1,4-Difluorobenzene	114	12.341	12.342	-0.001	92	1538965	10.0	10.0	
51 n-Butanol	56	12.807	12.818	-0.011	82	213519	15.0	14.5	
52 Trichloroethene	95	12.844	12.839	0.005	96	695621	15.0	14.5	
53 1,2-Dichloropropane	63	13.443	13.438	0.005	94	526613	15.0	14.9	
54 Methyl methacrylate	69	13.609	13.609	0.000	92	537721	15.0	15.1	
55 1,4-Dioxane	88	13.684	13.690	-0.006	86	241515	15.0	14.4	
56 Dibromomethane	174	13.716	13.711	0.005	92	753885	15.0	14.0	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	1074764	15.0	15.2	
58 cis-1,3-Dichloropropene	75	14.995	14.995	0.000	87	848027	15.0	15.1	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	305787221	NC	NC	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	305787221	15.0	3534.6	
61 4-Methyl-2-pentanone (MIBK)	43	15.316	15.321	-0.005	91	858429	15.0	15.2	
62 Toluene	92	15.610	15.610	0.000	93	1192144	15.0	14.8	
A 65 GRO	1	15.653	(15.653-15.653)		0	4014389	15.0	0	
66 n-Octane	43	15.658	15.653	0.005	84	929336	15.0	14.8	
67 trans-1,3-Dichloropropene	75	16.252	16.247	0.005	93	848061	15.0	14.9	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	93	563768	15.0	15.0	
69 Tetrachloroethene	166	16.744	16.739	0.005	97	1110432	15.0	14.7	
70 2-Hexanone	43	17.129	17.135	-0.006	98	772948	15.0	14.6	
71 Chlorodibromomethane	129	17.450	17.445	0.005	98	1252258	15.0	16.1	
72 Ethylene Dibromide	107	17.734	17.734	0.000	98	1117126	15.0	15.1	
* 73 Chlorobenzene-d5	117	18.681	18.676	0.005	83	1430540	10.0	10.0	
74 Chlorobenzene	112	18.745	18.740	0.005	98	1697339	15.0	14.9	
75 Ethylbenzene	91	18.895	18.895	0.000	97	2609942	15.0	14.9	
76 n-Nonane	57	19.023	19.018	0.005	83	1064959	15.0	15.0	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	2146823	30.0	29.9	
S 80 Xylenes, Total	106				0		45.0	44.9	
78 o-Xylene	106	20.061	20.061	0.000	99	1077527	15.0	15.0	
79 Styrene	104	20.120	20.120	0.000	95	1686820	15.0	15.1	
81 Bromoform	173	20.580	20.580	0.000	99	1176376	15.0	18.0	
82 Isopropylbenzene	105	20.789	20.789	0.000	95	3065937	15.0	15.0	
85 1,1,2,2-Tetrachloroethane	83	21.500	21.495	0.005	98	1479865	15.0	15.1	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	3598476	15.0	15.2	
87 1,2,3-Trichloropropane	75	21.596	21.597	-0.001	96	1104972	15.0	15.0	
88 n-Decane	57	21.735	21.736	-0.001	90	1203827	15.0	15.1	
89 4-Ethyltoluene	105	21.757	21.752	0.005	98	2981766	15.0	15.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.768	21.768	0.000	96	2417984	15.0	15.0	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	2343074	15.0	14.4	
92 Alpha Methyl Styrene	118	22.254	22.255	-0.001	92	1231685	15.0	14.6	
93 tert-Butylbenzene	119	22.377	22.378	-0.001	95	2118752	15.0	13.5	
94 1,2,4-Trimethylbenzene	105	22.479	22.479	0.000	96	2186532	15.0	13.6	
95 sec-Butylbenzene	105	22.714	22.715	-0.001	99	3250547	15.0	14.2	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	98	3196703	15.0	16.4	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	1598872	15.0	13.4	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	96	1558839	15.0	12.9	
99 Benzyl chloride	91	23.308	23.308	0.000	100	1940611	15.0	15.9	
101 n-Butylbenzene	91	23.517	23.517	0.000	98	2788292	15.0	15.8	
100 Undecane	57	23.538	23.538	0.000	91	1374188	15.0	15.2	
102 1,2-Dichlorobenzene	146	23.661	23.662	-0.001	98	1588327	15.0	14.2	
103 Dodecane	57	25.181	25.176	0.005	97	1127449	15.0	16.9	
104 1,2,4-Trichlorobenzene	180	26.261	26.261	0.000	94	1396073	15.0	15.3	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	1302194	15.0	15.5	
106 Naphthalene	128	26.770	26.770	0.000	99	2798376	15.0	15.0	
107 1,2,3-Trichlorobenzene	180	27.267	27.267	0.000	96	1216438	15.0	16.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00058

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_08.D

Injection Date: 02-Dec-2015 21:21:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

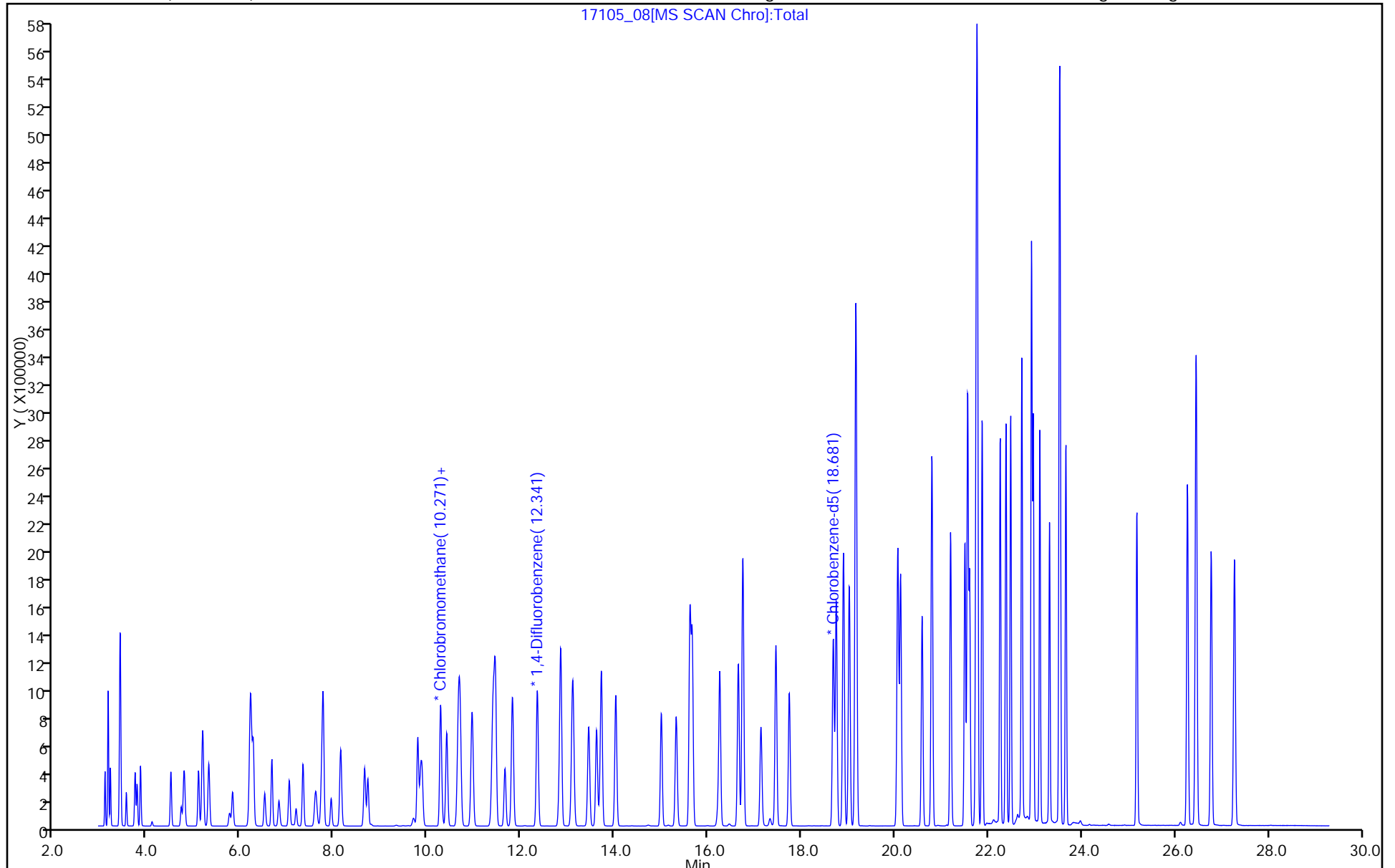
ALS Bottle#: 7

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_09.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 02-Dec-2015 22:12:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-009
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 16:28:27 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 09:56:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.092	3.087	0.005	98	230854	20.0	19.7	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	1177251	20.0	19.6	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	98	558414	20.0	19.6	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.408	0.005	97	1176209	20.0	19.4	
5 Chloromethane	50	3.547	3.541	0.006	99	320703	20.0	19.6	
6 Butane	43	3.734	3.729	0.005	98	513678	20.0	19.5	
7 Vinyl chloride	62	3.777	3.771	0.006	98	431926	20.0	19.8	
8 Butadiene	54	3.851	3.846	0.005	92	302584	20.0	19.9	
9 Bromomethane	94	4.499	4.499	0.000	99	425638	20.0	19.7	
10 Chloroethane	64	4.723	4.718	0.005	99	192186	20.0	18.9	
11 2-Methylbutane	43	4.782	4.777	0.005	89	339604	20.0	19.3	
12 Vinyl bromide	106	5.093	5.087	0.006	100	508634	20.0	19.6	
13 Trichlorofluoromethane	101	5.184	5.178	0.006	99	1263592	20.0	19.6	
14 Pentane	43	5.312	5.307	0.005	99	581950	20.0	19.5	
15 Ethanol	45	5.772	5.761	0.011	98	271112	40.0	36.6	M
16 Ethyl ether	59	5.820	5.820	0.000	93	287045	20.0	19.7	
17 Acrolein	56	6.200	6.200	0.000	44	124533	20.0	20.4	
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.200	0.005	98	976218	20.0	19.4	
20 1,1-Dichloroethene	96	6.264	6.259	0.005	96	478617	20.0	19.7	
21 Acetone	43	6.510	6.510	0.000	96	496091	20.0	19.3	
22 Carbon disulfide	76	6.660	6.655	0.005	98	1234651	20.0	19.6	
23 Isopropyl alcohol	45	6.831	6.821	0.010	99	489683	20.0	19.7	
24 3-Chloro-1-propene	41	7.035	7.029	0.006	95	436095	20.0	19.3	
25 Acetonitrile	41	7.184	7.179	0.005	100	234378	20.0	19.9	
26 Methylene Chloride	49	7.329	7.324	0.005	84	416914	20.0	18.4	
28 2-Methyl-2-propanol	59	7.607	7.618	-0.011	93	814990	20.0	19.6	
29 Methyl tert-butyl ether	73	7.741	7.735	0.006	96	1365120	20.0	19.9	
30 trans-1,2-Dichloroethene	61	7.762	7.757	0.005	95	626704	20.0	19.5	
31 Acrylonitrile	53	7.933	7.928	0.005	95	283945	20.0	19.6	
32 Hexane	57	8.137	8.131	0.006	88	640573	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.650	8.645	0.005	100	832870	20.0	19.3	
34 Vinyl acetate	43	8.720	8.714	0.006	99	971615	20.0	19.8	
35 cis-1,2-Dichloroethene	96	9.790	9.779	0.011	88	621436	20.0	19.7	
36 2-Butanone (MEK)	72	9.849	9.838	0.010	100	269576	20.0	18.9	
37 Ethyl acetate	88	9.881	9.881	0.000	99	46932	20.0	19.8	
S 38 1,2-Dichloroethene, Total	61				0		40.0	39.3	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	81	281274	10.0	10.0	
39 Tetrahydrofuran	42	10.282	10.287	-0.005	87	453054	20.0	19.8	
41 Chloroform	83	10.405	10.400	0.005	95	1184364	20.0	19.6	
42 Cyclohexane	84	10.651	10.651	0.000	93	844581	20.0	20.1	
43 1,1,1-Trichloroethane	97	10.688	10.683	0.005	94	1254744	20.0	20.2	
44 Carbon tetrachloride	117	10.951	10.945	0.006	97	1368101	20.0	20.4	
45 Isooctane	57	11.405	11.395	0.010	99	2790900	20.0	19.9	
46 Benzene	78	11.453	11.443	0.010	94	1966615	20.0	19.8	
47 1,2-Dichloroethane	62	11.657	11.646	0.011	98	712870	20.0	20.0	
48 n-Heptane	43	11.817	11.807	0.010	84	871767	20.0	19.8	
* 50 1,4-Difluorobenzene	114	12.347	12.342	0.005	92	1546148	10.0	10.0	
51 n-Butanol	56	12.812	12.818	-0.006	81	294765	20.0	19.9	
52 Trichloroethene	95	12.850	12.839	0.011	96	947471	20.0	19.6	
53 1,2-Dichloropropane	63	13.449	13.438	0.011	94	715528	20.0	20.1	
54 Methyl methacrylate	69	13.620	13.609	0.011	92	724649	20.0	20.2	
55 1,4-Dioxane	88	13.695	13.690	0.005	86	328365	20.0	19.5	
56 Dibromomethane	174	13.722	13.711	0.011	92	1079884	20.0	20.0	
57 Dichlorobromomethane	83	14.027	14.021	0.006	97	1456480	20.0	20.5	
58 cis-1,3-Dichloropropene	75	15.000	14.995	0.005	87	1156614	20.0	20.4	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	407315668	NC	NC	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	407315668	20.0	4686.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.321	15.321	0.000	91	1158964	20.0	20.4	
62 Toluene	92	15.615	15.610	0.005	93	1615167	20.0	19.7	
A 65 GRO	1		(15.653-15.653)				20.0	ND	
66 n-Octane	43	15.664	15.653	0.011	84	1241399	20.0	19.7	
67 trans-1,3-Dichloropropene	75	16.252	16.247	0.005	93	1158512	20.0	20.2	
68 1,1,2-Trichloroethane	83	16.653	16.643	0.010	93	771181	20.0	20.1	
69 Tetrachloroethene	166	16.750	16.739	0.011	97	1511246	20.0	19.6	
70 2-Hexanone	43	17.129	17.135	-0.006	98	1061509	20.0	19.6	
71 Chlorodibromomethane	129	17.456	17.445	0.011	98	1628808	20.0	20.5	
72 Ethylene Dibromide	107	17.739	17.734	0.005	98	1515307	20.0	20.1	
* 73 Chlorobenzene-d5	117	18.681	18.676	0.005	83	1459596	10.0	10.0	
74 Chlorobenzene	112	18.745	18.740	0.005	98	2302740	20.0	19.8	
75 Ethylbenzene	91	18.900	18.895	0.005	97	3546053	20.0	19.9	
76 n-Nonane	57	19.023	19.018	0.005	83	1435248	20.0	19.9	
77 m-Xylene & p-Xylene	106	19.168	19.162	0.006	0	2895523	40.0	39.6	
S 80 Xylenes, Total	106				0		60.0	59.4	
78 o-Xylene	106	20.066	20.061	0.005	99	1455268	20.0	19.8	
79 Styrene	104	20.125	20.120	0.005	95	2290469	20.0	20.1	
81 Bromoform	173	20.585	20.580	0.005	99	1344660	20.0	20.2	
82 Isopropylbenzene	105	20.794	20.789	0.005	94	4159812	20.0	20.0	
85 1,1,2,2-Tetrachloroethane	83	21.500	21.495	0.005	98	1947438	20.0	19.5	
86 N-Propylbenzene	91	21.559	21.554	0.005	100	4565955	20.0	18.9	
87 1,2,3-Trichloropropane	75	21.602	21.597	0.005	96	1465958	20.0	19.4	
88 n-Decane	57	21.736	21.736	0.000	90	1776732	20.0	21.9	
89 4-Ethyltoluene	105	21.757	21.752	0.005	98	2892532	20.0	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.768	21.768	0.000	96	3148601	20.0	19.2	
91 1,3,5-Trimethylbenzene	105	21.869	21.864	0.005	94	3048456	20.0	18.4	
92 Alpha Methyl Styrene	118	22.254	22.255	-0.001	92	1612578	20.0	18.7	
93 tert-Butylbenzene	119	22.378	22.378	0.000	95	3196441	20.0	20.0	
94 1,2,4-Trimethylbenzene	105	22.479	22.479	0.000	96	3449061	20.0	21.0	
95 sec-Butylbenzene	105	22.720	22.715	0.005	99	4965617	20.0	21.3	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	97	4333977	20.0	21.8	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	2365008	20.0	19.4	
98 1,4-Dichlorobenzene	146	23.105	23.100	0.005	96	2536602	20.0	20.5	
99 Benzyl chloride	91	23.308	23.308	0.000	100	2842326	20.0	22.8	
101 n-Butylbenzene	91	23.522	23.517	0.005	98	3678885	20.0	20.4	
100 Undecane	57	23.538	23.538	0.000	90	1809626	20.0	19.6	
102 1,2-Dichlorobenzene	146	23.661	23.662	-0.001	98	2429719	20.0	21.2	
103 Dodecane	57	25.181	25.176	0.005	96	1556720	20.0	22.9	
104 1,2,4-Trichlorobenzene	180	26.261	26.261	0.000	94	2036276	20.0	21.8	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	1753057	20.0	20.4	
106 Naphthalene	128	26.775	26.770	0.005	99	4297106	20.0	22.6	
107 1,2,3-Trichlorobenzene	180	27.272	27.267	0.005	96	1799481	20.0	23.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL6w_00116

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_09.D

Injection Date: 02-Dec-2015 22:12:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

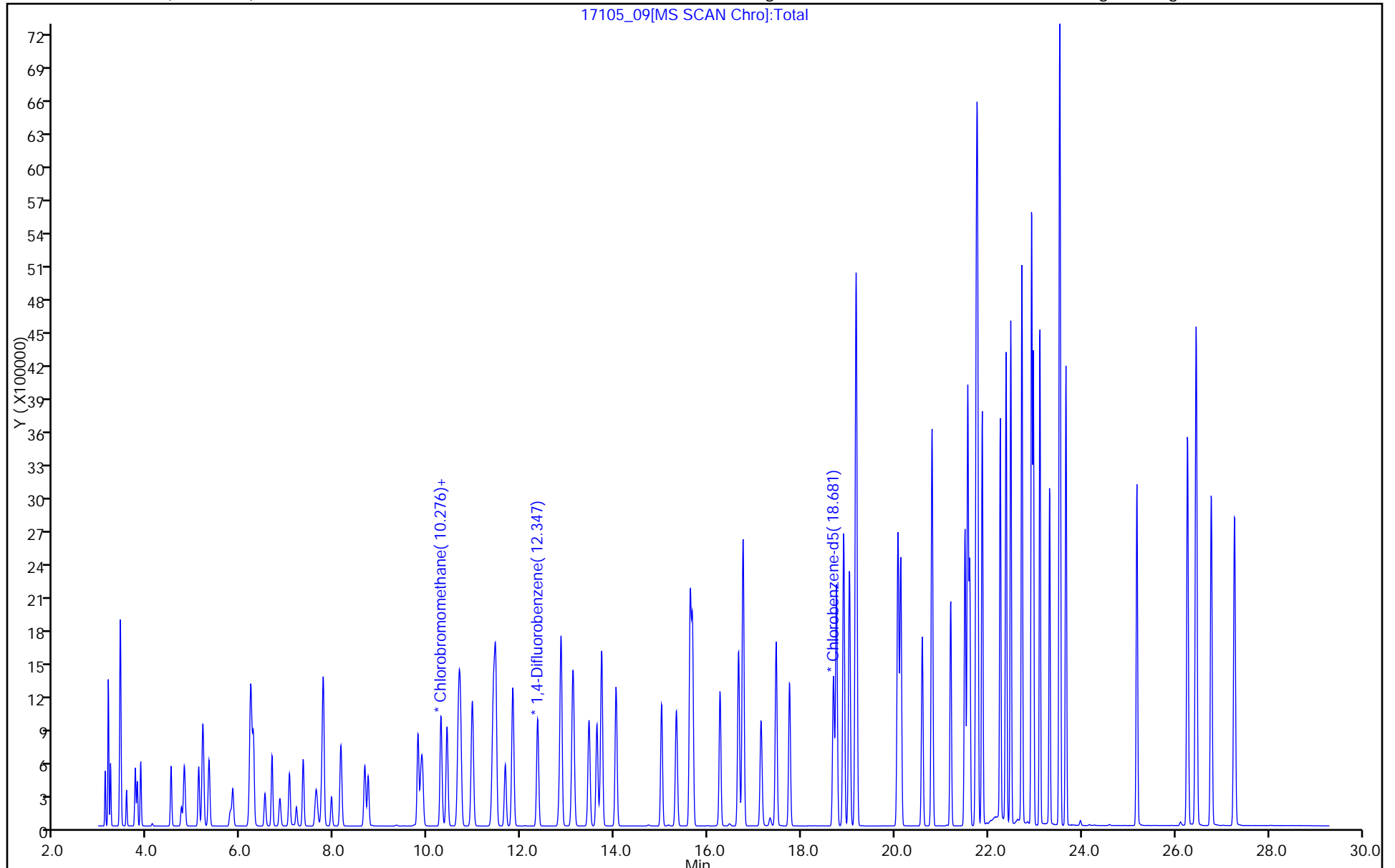
ALS Bottle#: 8

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



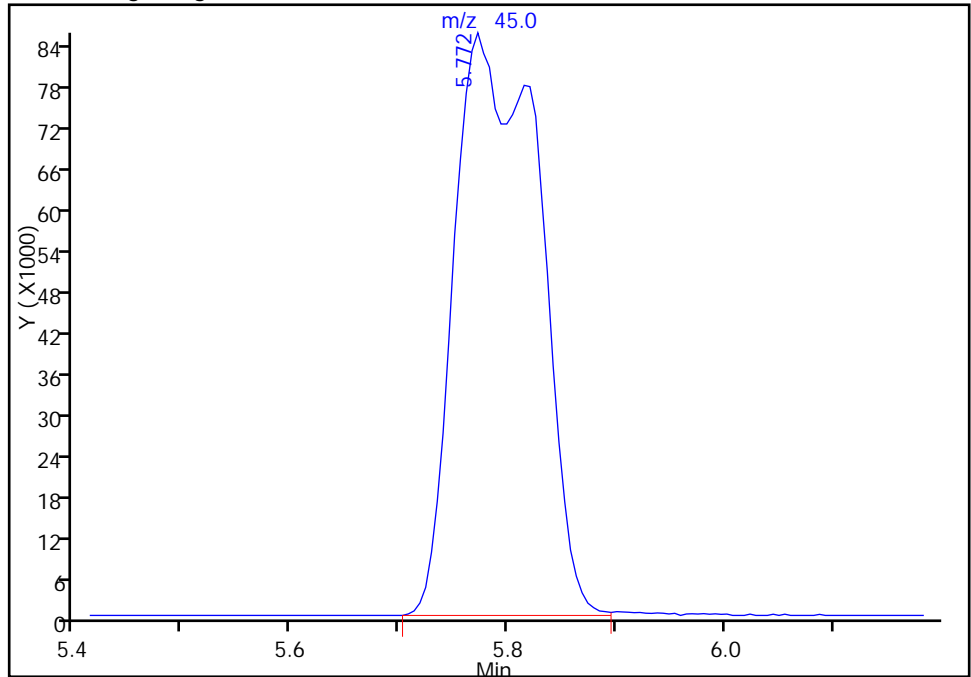
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_09.D
Injection Date: 02-Dec-2015 22:12:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

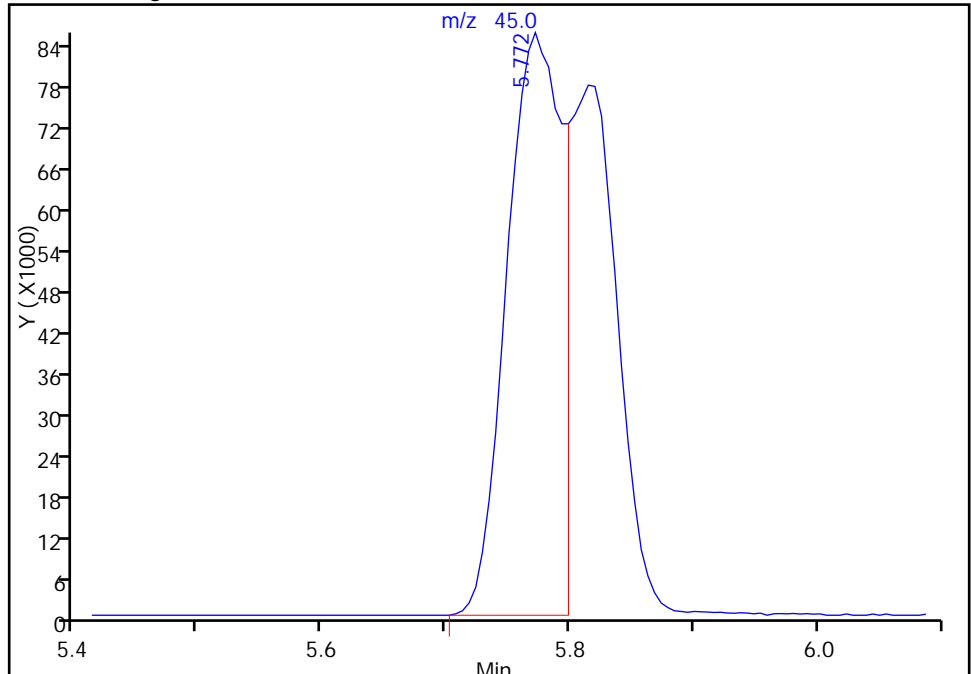
RT: 5.77
Area: 460049
Amount: 56.088509
Amount Units: ppb v/v

Processing Integration Results



RT: 5.77
Area: 271112
Amount: 36.562969
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:56:27
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 02-Dec-2015 23:02:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-010
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 10:05:43 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK036

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 10:05:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.081	3.087	-0.006	99	439883	40.0	36.2	
2 Dichlorodifluoromethane	85	3.151	3.156	-0.005	99	2241195	40.0	36.0	
3 Chlorodifluoromethane	51	3.199	3.204	-0.005	97	1080692	40.0	36.5	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.408	3.408	0.000	89	2208538	40.0	35.1	
5 Chloromethane	50	3.541	3.541	0.000	99	624444	40.0	36.7	
6 Butane	43	3.729	3.729	-0.001	98	984305	40.0	36.0	
7 Vinyl chloride	62	3.771	3.771	0.000	98	827456	40.0	36.5	
8 Butadiene	54	3.846	3.846	0.000	92	574364	40.0	36.4	
9 Bromomethane	94	4.494	4.499	-0.005	99	844107	40.0	37.6	
10 Chloroethane	64	4.718	4.718	0.000	99	393698	40.0	37.4	
11 2-Methylbutane	43	4.777	4.777	0.000	89	660886	40.0	36.2	
12 Vinyl bromide	106	5.087	5.087	0.000	99	974918	40.0	36.1	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	99	2456109	40.0	36.7	
14 Pentane	43	5.307	5.307	0.000	99	1123866	40.0	36.2	
15 Ethanol	45	5.740	5.761	-0.021	98	653931	100.0	85.0	
16 Ethyl ether	59	5.804	5.820	-0.016	95	560303	40.0	37.1	
18 1,1,2-Trichloro-1,2,2-trif	101	6.200	6.200	0.000	98	1862102	40.0	35.6	
17 Acrolein	56	6.189	6.200	-0.011	96	227171	40.0	35.8	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	96	914928	40.0	36.2	
21 Acetone	43	6.494	6.510	-0.016	96	976735	40.0	36.5	
22 Carbon disulfide	76	6.660	6.655	0.005	98	2397492	40.0	36.6	
23 Isopropyl alcohol	45	6.794	6.821	-0.027	100	925683	40.0	35.9	
24 3-Chloro-1-propene	41	7.029	7.029	0.000	95	816931	40.0	34.9	
25 Acetonitrile	41	7.174	7.179	-0.005	100	453460	40.0	37.2	
26 Methylene Chloride	49	7.324	7.324	0.000	84	797016	40.0	34.0	
28 2-Methyl-2-propanol	59	7.570	7.618	-0.048	92	1569148	40.0	36.4	
29 Methyl tert-butyl ether	73	7.719	7.735	-0.016	95	2641105	40.0	37.0	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	96	1207805	40.0	36.3	
31 Acrylonitrile	53	7.928	7.928	0.000	96	553326	40.0	36.8	
32 Hexane	57	8.131	8.131	0.000	88	1221766	40.0	35.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.645	8.645	0.000	100	1603903	40.0	35.8	
34 Vinyl acetate	43	8.709	8.714	-0.005	99	1884178	40.0	37.1	
35 cis-1,2-Dichloroethene	96	9.784	9.779	0.005	88	1200444	40.0	36.7	
36 2-Butanone (MEK)	72	9.838	9.838	0.000	100	519394	40.0	35.1	
37 Ethyl acetate	88	9.865	9.881	-0.016	99	89545	40.0	36.4	
S 38 1,2-Dichloroethene, Total	61				0		80.0	73.0	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	76	291959	10.0	10.0	
39 Tetrahydrofuran	42	10.266	10.287	-0.021	86	868568	40.0	37.6	
41 Chloroform	83	10.405	10.400	0.005	95	2302432	40.0	36.7	
42 Cyclohexane	84	10.651	10.651	0.000	93	1612627	40.0	38.0	
43 1,1,1-Trichloroethane	97	10.688	10.683	0.005	94	2432830	40.0	38.7	
44 Carbon tetrachloride	117	10.951	10.945	0.006	98	2668421	40.0	39.3	
45 Isooctane	57	11.395	11.395	0.000	99	5344899	40.0	37.7	
46 Benzene	78	11.448	11.443	0.005	94	3787907	40.0	37.6	
47 1,2-Dichloroethane	62	11.651	11.646	0.005	98	1404113	40.0	39.0	
48 n-Heptane	43	11.807	11.807	0.000	84	1672627	40.0	37.6	
* 50 1,4-Difluorobenzene	114	12.342	12.342	0.000	92	1565765	10.0	10.0	
51 n-Butanol	56	12.786	12.818	-0.032	81	611849	40.0	40.7	
52 Trichloroethene	95	12.844	12.839	0.005	96	1851177	40.0	37.8	
53 1,2-Dichloropropane	63	13.444	13.438	0.006	94	1395468	40.0	38.7	
54 Methyl methacrylate	69	13.609	13.609	0.000	94	1416643	40.0	39.0	
55 1,4-Dioxane	88	13.679	13.690	-0.011	87	614694	40.0	36.0	
56 Dibromomethane	174	13.716	13.711	0.005	92	2065795	40.0	37.8	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	2851623	40.0	39.7	
58 cis-1,3-Dichloropropene	75	15.000	14.995	0.005	87	2263618	40.0	39.5	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	746310808	40.0	8478.9	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	746310808	NC	NC	
61 4-Methyl-2-pentanone (MIBK)	43	15.305	15.321	-0.016	91	2236516	40.0	38.8	
62 Toluene	92	15.610	15.610	0.000	93	3103024	40.0	37.7	
66 n-Octane	43	15.658	15.653	0.005	84	2335717	40.0	36.6	
A 65 GRO	1	15.653	(15.653-15.653)		0	21895050	40.0	0	
67 trans-1,3-Dichloropropene	75	16.252	16.247	0.005	93	2269536	40.0	39.1	
68 1,1,2-Trichloroethane	83	16.648	16.643	0.005	93	1497315	40.0	38.9	
69 Tetrachloroethene	166	16.744	16.739	0.005	98	2914418	40.0	37.6	
70 2-Hexanone	43	17.119	17.135	-0.016	97	2093046	40.0	38.6	
71 Chlorodibromomethane	129	17.456	17.445	0.011	97	3169289	40.0	39.8	
72 Ethylene Dibromide	107	17.739	17.734	0.005	98	2956144	40.0	39.0	
* 73 Chlorobenzene-d5	117	18.681	18.676	0.005	84	1464063	10.0	10.0	
74 Chlorobenzene	112	18.745	18.740	0.005	98	4436976	40.0	38.0	
75 Ethylbenzene	91	18.900	18.895	0.005	97	6848857	40.0	38.3	
76 n-Nonane	57	19.023	19.018	0.005	87	2726982	40.0	37.6	
77 m-Xylene & p-Xylene	106	19.168	19.162	0.006	0	5324817	80.0	72.5	
S 80 Xylenes, Total	106				0		120.0	110.4	
78 o-Xylene	106	20.067	20.061	0.005	99	2786490	40.0	37.8	
79 Styrene	104	20.120	20.120	0.000	96	4408303	40.0	38.6	
81 Bromoform	173	20.585	20.580	0.005	99	2599285	40.0	39.0	
82 Isopropylbenzene	105	20.794	20.789	0.005	95	7906359	40.0	37.9	
85 1,1,2,2-Tetrachloroethane	83	21.500	21.495	0.005	98	3760763	40.0	37.6	
86 N-Propylbenzene	91	21.559	21.554	0.005	100	9010759	40.0	37.2	
87 1,2,3-Trichloropropane	75	21.602	21.597	0.005	96	2812064	40.0	37.2	
88 n-Decane	57	21.736	21.736	0.000	91	2927171	40.0	36.0	
89 4-Ethyltoluene	105	21.757	21.752	0.005	98	6386351	40.0	32.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.773	21.768	0.005	96	5740659	40.0	34.9	
91 1,3,5-Trimethylbenzene	105	21.869	21.864	0.005	94	5945422	40.0	35.7	
92 Alpha Methyl Styrene	118	22.255	22.255	0.000	91	3149112	40.0	36.5	
93 tert-Butylbenzene	119	22.378	22.378	0.000	94	5642843	40.0	35.2	
94 1,2,4-Trimethylbenzene	105	22.479	22.479	0.000	97	6085055	40.0	36.9	
95 sec-Butylbenzene	105	22.720	22.715	0.005	99	8735177	40.0	37.4	
96 4-Isopropyltoluene	119	22.929	22.923	0.006	97	7774903	40.0	39.0	
97 1,3-Dichlorobenzene	146	22.966	22.961	0.005	96	4311692	40.0	35.2	
98 1,4-Dichlorobenzene	146	23.105	23.100	0.005	96	4563438	40.0	36.8	
99 Benzyl chloride	91	23.314	23.308	0.006	100	5370191	40.0	43.0	
101 n-Butylbenzene	91	23.522	23.517	0.005	98	6471915	40.0	35.8	
100 Undecane	57	23.538	23.538	0.000	90	3231822	40.0	34.8	
102 1,2-Dichlorobenzene	146	23.662	23.662	0.000	98	4451750	40.0	38.8	
103 Dodecane	57	25.181	25.176	0.005	95	837930	40.0	12.3	
104 1,2,4-Trichlorobenzene	180	26.267	26.261	0.006	94	3303885	40.0	35.3	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	2506508	40.0	29.1	
106 Naphthalene	128	26.775	26.770	0.005	99	7029873	40.0	36.8	
107 1,2,3-Trichlorobenzene	180	27.273	27.267	0.006	96	1897597	40.0	24.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00059

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D

Injection Date: 02-Dec-2015 23:02:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

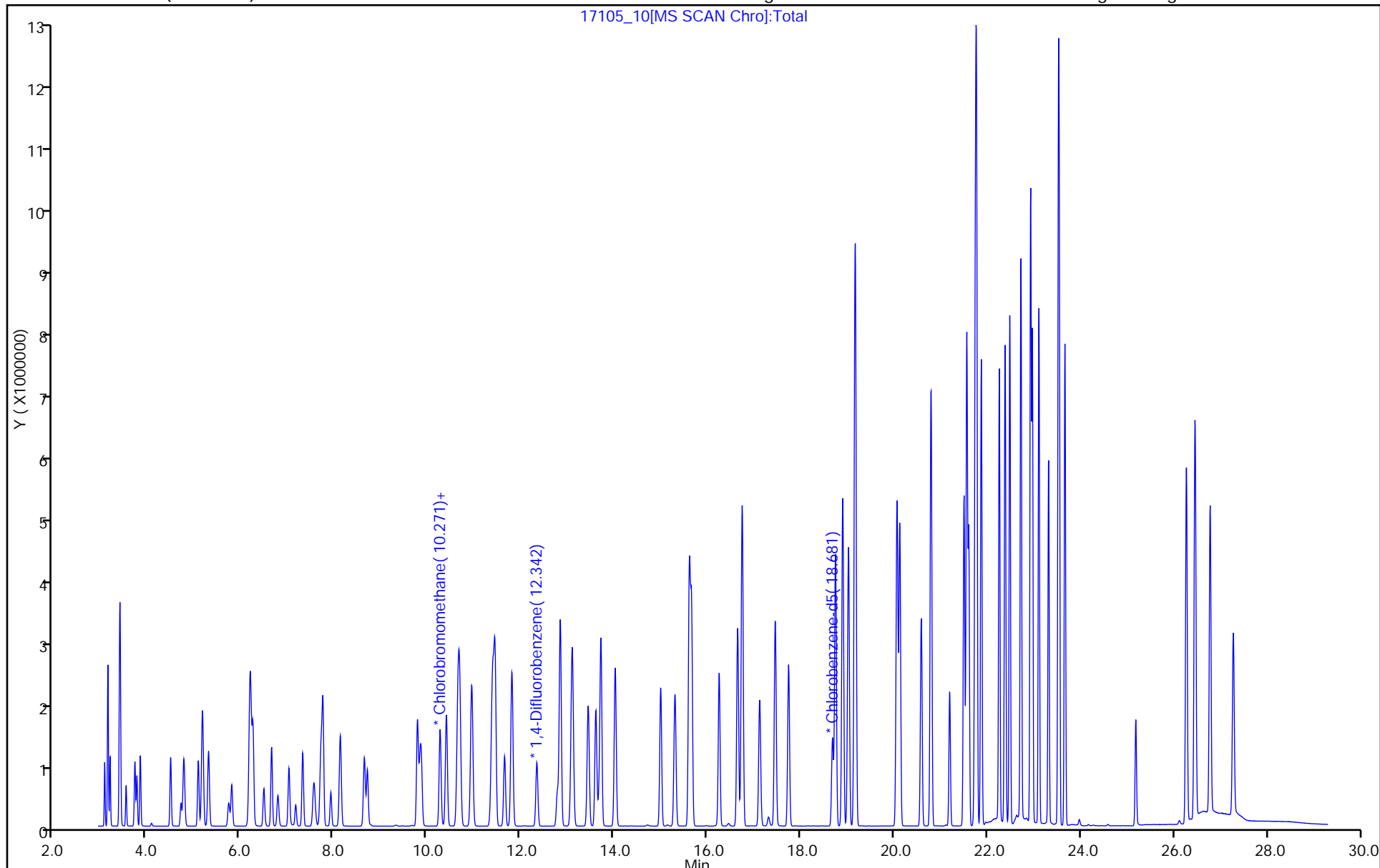
ALS Bottle#: 9

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: ICV 200-99657/17 Calibration Date: 01/19/2016 05:52
 Instrument ID: CHG.i Calib Start Date: 01/18/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/19/2016 00:44
 Lab File ID: 17836_17.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2910	0.2684		9.22	10.0	-7.8	30.0
Dichlorodifluoromethane	Ave	2.606	2.555		9.80	10.0	-2.0	30.0
Freon 22	Ave	0.9203	0.8883		9.65	10.0	-3.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.259	2.436		10.8	10.0	7.8	30.0
Chloromethane	Ave	0.4608	0.4250		9.22	10.0	-7.8	30.0
n-Butane	Ave	0.5871	0.5490		9.35	10.0	-6.5	30.0
Vinyl chloride	Ave	0.6532	0.6025		9.22	10.0	-7.8	30.0
1,3-Butadiene	Ave	0.3656	0.3456		9.45	10.0	-5.5	30.0
Bromomethane	Ave	0.9469	0.9301		9.82	10.0	-1.8	30.0
Chloroethane	Ave	0.2325	0.2282		9.81	10.0	-1.9	30.0
Isopentane	Ave	0.3934	0.3770		9.58	10.0	-4.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.009	0.9841		9.75	10.0	-2.5	30.0
Trichlorofluoromethane	Ave	2.754	2.608		9.47	10.0	-5.3	30.0
n-Pentane	Ave	0.5408	0.5549		10.3	10.0	2.6	30.0
Ethanol	Ave	0.1396	0.1319		14.2	15.0	-5.5	30.0
Ethyl ether	Ave	0.2570	0.2937		11.4	10.0	14.3	30.0
Acrolein	Ave	0.0966	0.1254		13.0	10.0	29.8	30.0
Freon TF	Ave	1.757	1.707		9.71	10.0	-2.9	30.0
1,1-Dichloroethene	Ave	0.7403	0.7111		9.60	10.0	-3.9	30.0
Acetone	Ave	0.5653	0.5366		9.49	10.0	-5.1	30.0
Carbon disulfide	Ave	1.782	2.007		11.3	10.0	12.6	30.0
Isopropyl alcohol	Ave	0.4414	0.3905		8.84	10.0	-11.5	30.0
3-Chloropropene	Ave	0.3902	0.3928		10.1	10.0	0.7	30.0
Acetonitrile	Ave	0.1992	0.2120		10.6	10.0	6.5	30.0
Methylene Chloride	Ave	0.5379	0.5008		9.31	10.0	-6.9	30.0
tert-Butyl alcohol	Ave	0.8164	0.7494		9.18	10.0	-8.2	30.0
Methyl tert-butyl ether	Ave	1.572	1.603		10.2	10.0	2.0	30.0
trans-1,2-Dichloroethene	Ave	0.8005	0.8433		10.5	10.0	5.3	30.0
Acrylonitrile	Ave	0.2303	0.2479		10.8	10.0	7.7	30.0
n-Hexane	Ave	0.5687	0.6041		10.6	10.0	6.2	30.0
1,1-Dichloroethane	Ave	1.018	1.044		10.2	10.0	2.5	30.0
Vinyl acetate	Ave	0.8294	0.8550		10.3	10.0	3.1	30.0
cis-1,2-Dichloroethene	Ave	0.9290	0.9128		9.82	10.0	-1.8	30.0
Methyl Ethyl Ketone	Ave	0.2420	0.2461		10.2	10.0	1.7	30.0
Ethyl acetate	Ave	0.0379	0.0417		11.0	10.0	9.9	30.0
Tetrahydrofuran	Ave	0.0662	0.0632		9.54	10.0	-4.6	30.0
Chloroform	Ave	2.005	1.990		9.92	10.0	-0.8	30.0
1,1,1-Trichloroethane	Ave	0.4554	0.4329		9.51	10.0	-4.9	30.0
Cyclohexane	Ave	0.1749	0.1652		9.44	10.0	-5.6	30.0
Carbon tetrachloride	Ave	0.5104	0.5325		10.4	10.0	4.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: ICV 200-99657/17 Calibration Date: 01/19/2016 05:52
 Instrument ID: CHG.i Calib Start Date: 01/18/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/19/2016 00:44
 Lab File ID: 17836_17.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.4630	0.4295		9.28	10.0	-7.2	30.0
2,2,4-Trimethylpentane	Ave	0.5027	0.4529		9.01	10.0	-9.9	30.0
1,2-Dichloroethane	Ave	0.2355	0.2212		9.39	10.0	-6.1	30.0
n-Heptane	Ave	0.1593	0.1406		8.82	10.0	-11.8	30.0
n-Butanol	Ave	0.0538	0.0487		9.04	10.0	-9.6	30.0
Trichloroethene	Ave	0.3586	0.3282		9.15	10.0	-8.5	30.0
1,2-Dichloropropane	Ave	0.1869	0.1717		9.18	10.0	-8.2	30.0
Methyl methacrylate	Ave	0.1538	0.1529		9.94	10.0	-0.6	30.0
Dibromomethane	Ave	0.5065	0.4657		9.19	10.0	-8.0	30.0
1,4-Dioxane	Ave	0.1013	0.0920		9.08	10.0	-9.2	30.0
Bromodichloromethane	Ave	0.6231	0.5927		9.51	10.0	-4.9	30.0
cis-1,3-Dichloropropene	Ave	0.4732	0.4602		9.72	10.0	-2.7	30.0
methyl isobutyl ketone	Ave	0.3579	0.3181		8.89	10.0	-11.1	30.0
Toluene	Ave	0.4405	0.4275		9.70	10.0	-2.9	30.0
n-Octane	Ave	0.4051	0.3547		8.75	10.0	-12.5	30.0
trans-1,3-Dichloropropene	Ave	0.4988	0.4999		10.0	10.0	0.2	30.0
1,1,2-Trichloroethane	Ave	0.2157	0.2136		9.90	10.0	-1.0	30.0
Tetrachloroethene	Ave	0.5903	0.5714		9.68	10.0	-3.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2196	0.2013		9.16	10.0	-8.3	30.0
Dibromochloromethane	Ave	0.5801	0.6128		10.6	10.0	5.6	30.0
1,2-Dibromoethane	Ave	0.4898	0.5012		10.2	10.0	2.3	30.0
Chlorobenzene	Ave	0.6888	0.6815		9.89	10.0	-1.1	30.0
Ethylbenzene	Ave	0.9171	0.9011		9.82	10.0	-1.7	30.0
n-Nonane	Ave	0.2792	0.2666		9.55	10.0	-4.5	30.0
m,p-Xylene	Ave	0.3854	0.3792		19.7	20.0	-1.6	30.0
Xylene, o-	Ave	0.4147	0.4010		9.67	10.0	-3.3	30.0
Styrene	Ave	0.5648	0.5898		10.4	10.0	4.4	30.0
Bromoform	Ave	0.4712	0.5577		11.8	10.0	18.3	30.0
Cumene	Ave	1.123	1.097		9.76	10.0	-2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5342	0.5339		9.99	10.0	-0.0	30.0
1,2,3-Trichloropropane	Ave	0.3716	0.3672		9.88	10.0	-1.2	30.0
n-Propylbenzene	Ave	1.190	1.181		9.92	10.0	-0.7	30.0
2-Chlorotoluene	Ave	0.8506	0.8343		9.81	10.0	-1.9	30.0
4-Ethyltoluene	Ave	1.050	1.069		10.2	10.0	1.8	30.0
n-Decane	Ave	0.3440	0.3335		9.69	10.0	-3.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9475	0.9428		9.95	10.0	-0.5	30.0
Alpha Methyl Styrene	Ave	0.4681	0.5258		11.2	10.0	12.3	30.0
tert-Butylbenzene	Ave	0.9608	0.9606		10.0	10.0	-0.0	30.0
1,2,4-Trimethylbenzene	Ave	0.9517	0.9572		10.1	10.0	0.6	30.0
sec-Butylbenzene	Ave	1.358	1.356		9.99	10.0	-0.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: ICV 200-99657/17 Calibration Date: 01/19/2016 05:52
 Instrument ID: CHG.i Calib Start Date: 01/18/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/19/2016 00:44
 Lab File ID: 17836_17.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.139	1.159		10.2	10.0	1.7	30.0
1,3-Dichlorobenzene	Ave	0.7563	0.7829		10.3	10.0	3.5	30.0
1,4-Dichlorobenzene	Ave	0.8083	0.8529		10.5	10.0	5.5	30.0
Benzyl chloride	Ave	0.6701	0.7400		11.0	10.0	10.4	30.0
n-Butylbenzene	Ave	0.9589	0.9702		10.1	10.0	1.2	30.0
n-Undecane	Ave	0.3287	0.3608		11.0	10.0	9.8	30.0
1,2-Dichlorobenzene	Ave	0.7571	0.7984		10.5	10.0	5.5	30.0
n-Dodecane	Ave	0.2815	0.3446		12.2	10.0	22.4	30.0
1,2,4-Trichlorobenzene	Ave	0.5482	0.5976		10.9	10.0	9.0	30.0
Hexachlorobutadiene	Ave	0.5440	0.5669		10.4	10.0	4.2	30.0
Naphthalene	Ave	1.094	1.172		10.7	10.0	7.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5306	0.5660		10.7	10.0	6.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_17.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 19-Jan-2016 05:52:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-017
 Misc. Info.: lcsd
 Operator ID: pad Instrument ID: CHG.i
 Sublist:
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 11:08:21 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 19-Jan-2016 10:42:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.747	2.747	0.000	95	65593	10.0	9.22	
2 Dichlorodifluoromethane	85	2.816	2.811	0.005	99	624357	10.0	9.80	
3 Chlorodifluoromethane	51	2.859	2.854	0.005	95	217103	10.0	9.65	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	89	595344	10.0	10.8	
5 Chloromethane	50	3.186	3.180	0.006	98	103872	10.0	9.22	
6 Butane	43	3.389	3.384	0.005	95	134187	10.0	9.35	
7 Vinyl chloride	62	3.416	3.410	0.006	98	147245	10.0	9.22	
8 Butadiene	54	3.490	3.491	-0.001	90	84454	10.0	9.45	
10 Bromomethane	94	4.132	4.133	-0.001	98	227333	10.0	9.82	
11 Chloroethane	64	4.368	4.368	0.000	98	55764	10.0	9.81	
12 2-Methylbutane	43	4.475	4.470	0.005	85	92149	10.0	9.58	
13 Vinyl bromide	106	4.758	4.753	0.005	99	240513	10.0	9.75	
14 Trichlorofluoromethane	101	4.881	4.876	0.005	98	637302	10.0	9.47	
16 Pentane	43	5.037	5.037	0.000	98	135621	10.0	10.3	
17 Ethanol	45	5.448	5.443	0.005	94	48379	15.0	14.2	
18 Ethyl ether	59	5.561	5.556	0.005	94	71775	10.0	11.4	
9 BFB									
19 Acrolein	56	5.887	5.882	0.005	97	30646	10.0	13.0	
20 1,1,2-Trichloro-1,2,2-trif	101	5.978	5.978	0.000	98	417159	10.0	9.71	
21 1,1-Dichloroethene	96	5.989	5.989	0.000	92	173805	10.0	9.60	
22 Acetone	43	6.208	6.203	0.005	99	131154	10.0	9.49	
23 Carbon disulfide	76	6.363	6.363	0.000	98	490573	10.0	11.3	
24 Isopropyl alcohol	45	6.550	6.545	0.005	99	95446	10.0	8.84	
25 3-Chloro-1-propene	41	6.770	6.770	0.000	87	96000	10.0	10.1	
26 Acetonitrile	41	6.845	6.845	0.000	96	51819	10.0	10.6	
27 Methylene Chloride	49	7.059	7.059	0.000	78	122391	10.0	9.31	
28 2-Methyl-2-propanol	59	7.337	7.337	0.000	92	183158	10.0	9.18	
31 trans-1,2-Dichloroethene	61	7.529	7.524	0.005	90	206101	10.0	10.5	
29 Methyl tert-butyl ether	73	7.529	7.530	-0.001	93	391856	10.0	10.2	
32 Acrylonitrile	53	7.620	7.621	-0.001	92	60581	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Hexane	57	7.968	7.974	-0.006	89	147638	10.0	10.6	
34 1,1-Dichloroethane	63	8.385	8.386	-0.001	99	255049	10.0	10.2	
35 Vinyl acetate	43	8.492	8.493	-0.001	99	208970	10.0	10.3	
37 cis-1,2-Dichloroethene	96	9.493	9.493	0.000	82	223084	10.0	9.82	
38 2-Butanone (MEK)	72	9.546	9.546	0.000	96	60145	10.0	10.2	
39 Ethyl acetate	88	9.643	9.632	0.011	98	10182	10.0	11.0	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.4	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	64	244454	10.0	10.0	
41 Tetrahydrofuran	42	9.985	9.990	-0.005	74	86196	10.0	9.54	
42 Chloroform	83	10.092	10.092	0.000	95	486296	10.0	9.92	
44 1,1,1-Trichloroethane	97	10.376	10.376	0.000	92	590310	10.0	9.51	
43 Cyclohexane	84	10.381	10.386	-0.005	83	225254	10.0	9.44	
45 Carbon tetrachloride	117	10.643	10.638	0.005	96	726102	10.0	10.4	
47 Benzene	78	11.082	11.076	0.006	92	585610	10.0	9.28	
46 Isooctane	57	11.130	11.130	0.000	98	617565	10.0	9.01	
48 1,2-Dichloroethane	62	11.231	11.232	-0.001	99	301571	10.0	9.39	
49 n-Heptane	43	11.531	11.531	0.000	81	191685	10.0	8.82	
* 50 1,4-Difluorobenzene	114	11.922	11.922	0.000	91	1363780	10.0	10.0	
52 n-Butanol	56	12.344	12.339	0.005	85	66410	10.0	9.04	
53 Trichloroethene	95	12.392	12.387	0.005	93	447510	10.0	9.15	
A 51 GRO	1	12.810	(4.460-21.160)		0	118622864	10.0	0	
54 1,2-Dichloropropane	63	12.906	12.901	0.005	89	234112	10.0	9.18	
55 Methyl methacrylate	69	13.131	13.125	0.006	89	208431	10.0	9.94	
57 Dibromomethane	174	13.147	13.147	0.000	89	634997	10.0	9.19	
56 1,4-Dioxane	88	13.157	13.158	-0.001	81	125491	10.0	9.08	
58 Dichlorobromomethane	83	13.462	13.462	0.000	97	808171	10.0	9.51	
60 cis-1,3-Dichloropropene	75	14.441	14.441	0.000	86	627466	10.0	9.72	
A 59 TVOC as Toluene	92	14.479	(2.737-26.221)		0	210919387	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.762	14.762	0.000	90	433685	10.0	8.89	
A 63 Toluene Range	92	15.078	(15.038-15.118)		0	3172770	NC	NC	
65 Toluene	92	15.078	15.078	0.000	93	898568	10.0	9.70	
A 62 C8 Range	1	15.244	(15.194-15.294)		0	2361135	NC	NC	
64 n-Octane	43	15.244	15.244	0.000	81	483600	10.0	8.75	
66 trans-1,3-Dichloropropene	75	15.682	15.683	-0.001	91	681558	10.0	10.0	
67 1,1,2-Trichloroethane	83	16.057	16.052	0.005	92	448923	10.0	9.90	
68 Tetrachloroethene	166	16.228	16.228	0.000	95	1201059	10.0	9.68	
69 2-Hexanone	43	16.554	16.560	-0.006	97	423014	10.0	9.16	
71 Chlorodibromomethane	129	16.843	16.843	0.000	97	1288010	10.0	10.6	
72 Ethylene Dibromide	107	17.105	17.106	-0.001	99	1053490	10.0	10.2	
* 74 Chlorobenzene-d5	117	18.058	18.058	0.000	80	2102247	10.0	10.0	
75 Chlorobenzene	112	18.117	18.117	0.000	99	1432294	10.0	9.89	
76 Ethylbenzene	91	18.298	18.304	-0.006	96	1894052	10.0	9.82	
77 n-Nonane	57	18.512	18.513	-0.001	80	560292	10.0	9.55	
78 m-Xylene & p-Xylene	106	18.561	18.561	0.000	0	1593927	20.0	19.7	
79 o-Xylene	106	19.406	19.401	0.005	97	842867	10.0	9.67	
80 Styrene	104	19.449	19.449	0.000	93	1239656	10.0	10.4	
S 73 Xylenes, Total	106				0		30.0	29.3	
81 Bromoform	173	19.861	19.861	0.000	98	1172085	10.0	11.8	
82 Isopropylbenzene	105	20.144	20.144	0.000	94	2304658	10.0	9.76	
* 83 4-Bromofluorobenzene	95	20.508	20.508	0.000	95	1282242	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.786	20.786	0.000	98	1122167	10.0	10.0	
86 1,2,3-Trichloropropane	75	20.882	20.882	0.000	94	771775	10.0	9.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	91	20.904	20.909	-0.005	99	2481923	10.0	9.92	
89 2-Chlorotoluene	91	21.096	21.096	0.000	95	1753580	10.0	9.81	
88 4-Ethyltoluene	105	21.107	21.107	0.000	98	2245852	10.0	10.2	
87 n-Decane	57	21.150	21.150	0.000	90	700850	10.0	9.69	
90 1,3,5-Trimethylbenzene	105	21.219	21.220	-0.001	95	1981603	10.0	9.95	
91 Alpha Methyl Styrene	118	21.589	21.589	-0.001	93	1105063	10.0	11.2	
92 tert-Butylbenzene	119	21.722	21.722	0.000	94	2018928	10.0	10.0	
93 1,2,4-Trimethylbenzene	105	21.819	21.819	0.000	95	2011854	10.0	10.1	
94 sec-Butylbenzene	105	22.059	22.059	0.000	99	2850459	10.0	9.99	
95 4-Isopropyltoluene	119	22.268	22.268	0.000	97	2435184	10.0	10.2	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	92	1645478	10.0	10.3	
97 1,4-Dichlorobenzene	146	22.407	22.407	0.000	97	1792695	10.0	10.5	
98 Benzyl chloride	91	22.594	22.594	0.000	99	1555436	10.0	11.0	
100 n-Butylbenzene	91	22.835	22.835	0.000	97	2039156	10.0	10.1	
99 Undecane	57	22.905	22.905	0.000	88	758287	10.0	11.0	
101 1,2-Dichlorobenzene	146	22.926	22.926	0.000	99	1678015	10.0	10.5	
102 Dodecane	57	24.435	24.435	0.000	94	724313	10.0	12.2	
103 1,2,4-Trichlorobenzene	180	25.323	25.323	0.000	93	1256060	10.0	10.9	
104 Hexachlorobutadiene	225	25.531	25.537	-0.006	98	1191429	10.0	10.4	
105 Naphthalene	128	25.761	25.761	0.000	99	2462385	10.0	10.7	
106 1,2,3-Trichlorobenzene	180	26.211	26.211	0.000	96	1189596	10.0	10.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00570

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_17.D

Injection Date: 19-Jan-2016 05:52:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: icv

Worklist Smp#: 17

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

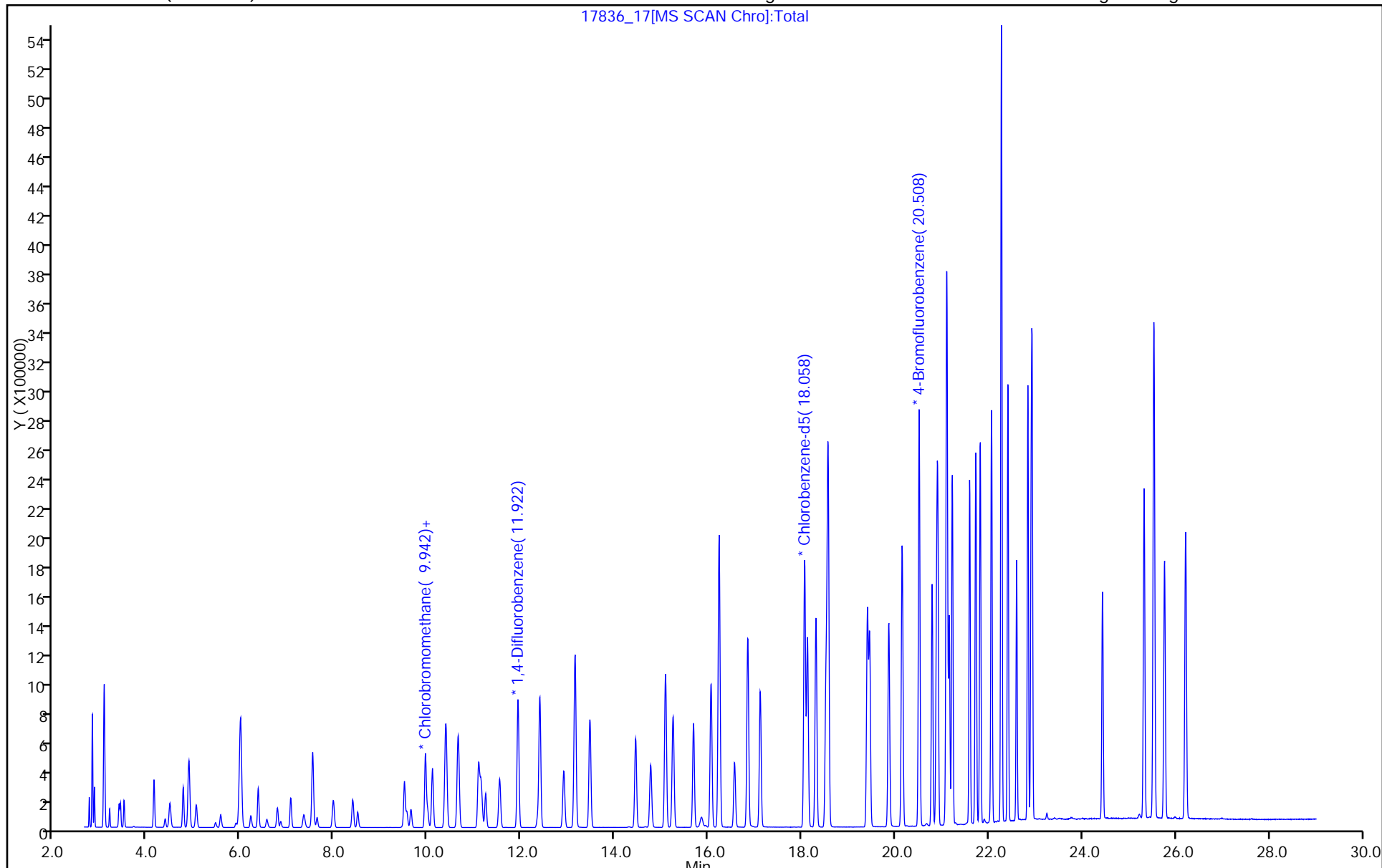
ALS Bottle#: 16

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: CCVIS 200-99877/2 Calibration Date: 01/22/2016 12:11
 Instrument ID: CHG.i Calib Start Date: 01/18/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/19/2016 00:44
 Lab File ID: 17944_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2910	0.2794		9.60	10.0	-4.0	30.0
Dichlorodifluoromethane	Ave	2.606	2.376		9.12	10.0	-8.8	30.0
Freon 22	Ave	0.9203	0.8770		9.53	10.0	-4.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.259	1.964		8.69	10.0	-13.1	30.0
Chloromethane	Ave	0.4608	0.4124		8.95	10.0	-10.5	30.0
n-Butane	Ave	0.5871	0.5231		8.91	10.0	-10.9	30.0
Vinyl chloride	Ave	0.6532	0.5558		8.51	10.0	-14.9	30.0
1,3-Butadiene	Ave	0.3656	0.3303		9.03	10.0	-9.7	30.0
Bromomethane	Ave	0.9469	0.8253		8.71	10.0	-12.8	30.0
Chloroethane	Ave	0.2325	0.2094		9.00	10.0	-10.0	30.0
Isopentane	Ave	0.3934	0.3211		8.16	10.0	-18.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.009	0.9076		8.99	10.0	-10.1	30.0
Trichlorofluoromethane	Ave	2.754	2.364		8.58	10.0	-14.2	30.0
n-Pentane	Ave	0.5408	0.4774		8.83	10.0	-11.7	30.0
Ethanol	Ave	0.1396	0.1176		12.6	15.0	-15.7	30.0
Ethyl ether	Ave	0.2570	0.2370		9.22	10.0	-7.8	30.0
Acrolein	Ave	0.0966	0.0956		9.89	10.0	-1.1	30.0
Freon TF	Ave	1.757	1.502		8.55	10.0	-14.5	30.0
1,1-Dichloroethene	Ave	0.7403	0.6416		8.66	10.0	-13.3	30.0
Acetone	Ave	0.5653	0.4814		8.51	10.0	-14.9	30.0
Carbon disulfide	Ave	1.782	1.595		8.95	10.0	-10.5	30.0
Isopropyl alcohol	Ave	0.4414	0.3931		8.90	10.0	-10.9	30.0
3-Chloropropene	Ave	0.3902	0.3679		9.43	10.0	-5.7	30.0
Acetonitrile	Ave	0.1992	0.1736		8.71	10.0	-12.8	30.0
Methylene Chloride	Ave	0.5379	0.4597		8.54	10.0	-14.5	30.0
tert-Butyl alcohol	Ave	0.8164	0.7388		9.05	10.0	-9.5	30.0
trans-1,2-Dichloroethene	Ave	0.8005	0.7118		8.89	10.0	-11.1	30.0
Methyl tert-butyl ether	Ave	1.572	1.362		8.66	10.0	-13.4	30.0
Acrylonitrile	Ave	0.2303	0.2037		8.85	10.0	-11.5	30.0
n-Hexane	Ave	0.5687	0.5052		8.88	10.0	-11.2	30.0
1,1-Dichloroethane	Ave	1.018	0.9106		8.94	10.0	-10.5	30.0
Vinyl acetate	Ave	0.8294	0.7291		8.79	10.0	-12.1	30.0
cis-1,2-Dichloroethene	Ave	0.9290	0.8118		8.74	10.0	-12.6	30.0
Methyl Ethyl Ketone	Ave	0.2420	0.2106		8.70	10.0	-13.0	30.0
Ethyl acetate	Ave	0.0379	0.0323		8.51	10.0	-14.9	30.0
Tetrahydrofuran	Ave	0.0662	0.0544		8.22	10.0	-17.8	30.0
Chloroform	Ave	2.005	1.746		8.71	10.0	-12.9	30.0
1,1,1-Trichloroethane	Ave	0.4554	0.3711		8.15	10.0	-18.5	30.0
Cyclohexane	Ave	0.1749	0.1450		8.29	10.0	-17.1	30.0
Carbon tetrachloride	Ave	0.5104	0.4567		8.95	10.0	-10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: CCVIS 200-99877/2 Calibration Date: 01/22/2016 12:11
 Instrument ID: CHG.i Calib Start Date: 01/18/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/19/2016 00:44
 Lab File ID: 17944_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.4630	0.3803		8.21	10.0	-17.8	30.0
2,2,4-Trimethylpentane	Ave	0.5027	0.4195		8.34	10.0	-16.6	30.0
1,2-Dichloroethane	Ave	0.2355	0.1990		8.45	10.0	-15.5	30.0
n-Heptane	Ave	0.1593	0.1321		8.29	10.0	-17.1	30.0
n-Butanol	Ave	0.0538	0.0451		8.38	10.0	-16.2	30.0
Trichloroethene	Ave	0.3586	0.2960		8.25	10.0	-17.5	30.0
1,2-Dichloropropane	Ave	0.1869	0.1553		8.31	10.0	-16.9	30.0
Methyl methacrylate	Ave	0.1538	0.1318		8.57	10.0	-14.3	30.0
Dibromomethane	Ave	0.5065	0.4056		8.01	10.0	-19.9	30.0
1,4-Dioxane	Ave	0.1013	0.0827		8.16	10.0	-18.4	30.0
Bromodichloromethane	Ave	0.6231	0.5311		8.52	10.0	-14.8	30.0
cis-1,3-Dichloropropene	Ave	0.4732	0.4125		8.72	10.0	-12.8	30.0
methyl isobutyl ketone	Ave	0.3579	0.2975		8.31	10.0	-16.9	30.0
Toluene	Ave	0.4405	0.3628		8.23	10.0	-17.6	30.0
n-Octane	Ave	0.4051	0.3365		8.30	10.0	-16.9	30.0
trans-1,3-Dichloropropene	Ave	0.4988	0.4390		8.80	10.0	-12.0	30.0
1,1,2-Trichloroethane	Ave	0.2157	0.1821		8.44	10.0	-15.6	30.0
Tetrachloroethene	Ave	0.5903	0.4690		7.94	10.0	-20.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2196	0.1825		8.31	10.0	-16.9	30.0
Dibromochloromethane	Ave	0.5801	0.5219		8.99	10.0	-10.0	30.0
1,2-Dibromoethane	Ave	0.4898	0.4248		8.67	10.0	-13.3	30.0
Chlorobenzene	Ave	0.6888	0.5911		8.58	10.0	-14.2	30.0
Ethylbenzene	Ave	0.9171	0.7796		8.50	10.0	-15.0	30.0
n-Nonane	Ave	0.2792	0.2402		8.60	10.0	-14.0	30.0
m,p-Xylene	Ave	0.3854	0.3277		17.0	20.0	-15.0	30.0
Xylene, o-	Ave	0.4147	0.3458		8.34	10.0	-16.6	30.0
Styrene	Ave	0.5648	0.4890		8.66	10.0	-13.4	30.0
Bromoform	Ave	0.4712	0.4416		9.37	10.0	-6.3	30.0
Cumene	Ave	1.123	0.9247		8.23	10.0	-17.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5342	0.4456		8.34	10.0	-16.6	30.0
1,2,3-Trichloropropane	Ave	0.3716	0.3109		8.36	10.0	-16.3	30.0
n-Propylbenzene	Ave	1.190	0.9879		8.30	10.0	-17.0	30.0
2-Chlorotoluene	Ave	0.8506	0.6984		8.21	10.0	-17.9	30.0
4-Ethyltoluene	Ave	1.050	0.8627		8.21	10.0	-17.8	30.0
n-Decane	Ave	0.3440	0.2895		8.41	10.0	-15.8	30.0
1,3,5-Trimethylbenzene	Ave	0.9475	0.7747		8.17	10.0	-18.2	30.0
Alpha Methyl Styrene	Ave	0.4681	0.4224		9.02	10.0	-9.8	30.0
tert-Butylbenzene	Ave	0.9608	0.7924		8.24	10.0	-17.5	30.0
1,2,4-Trimethylbenzene	Ave	0.9517	0.7835		8.23	10.0	-17.7	30.0
sec-Butylbenzene	Ave	1.358	1.148		8.45	10.0	-15.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: CCVIS 200-99877/2 Calibration Date: 01/22/2016 12:11
 Instrument ID: CHG.i Calib Start Date: 01/18/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/19/2016 00:44
 Lab File ID: 17944_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.139	0.9554		8.39	10.0	-16.1	30.0
1,3-Dichlorobenzene	Ave	0.7563	0.6456		8.54	10.0	-14.6	30.0
1,4-Dichlorobenzene	Ave	0.8083	0.6877		8.51	10.0	-14.9	30.0
Benzyl chloride	Ave	0.6701	0.6050		9.03	10.0	-9.7	30.0
n-Butylbenzene	Ave	0.9589	0.8011		8.35	10.0	-16.5	30.0
n-Undecane	Ave	0.3287	0.2897		8.81	10.0	-11.9	30.0
1,2-Dichlorobenzene	Ave	0.7571	0.6249		8.25	10.0	-17.5	30.0
n-Dodecane	Ave	0.2815	0.2659		9.44	10.0	-5.5	30.0
1,2,4-Trichlorobenzene	Ave	0.5482	0.4204		7.67	10.0	-23.3	30.0
Hexachlorobutadiene	Ave	0.5440	0.4313		7.93	10.0	-20.7	30.0
Naphthalene	Ave	1.094	0.8271		7.56	10.0	-24.4	30.0
1,2,3-Trichlorobenzene	Ave	0.5306	0.3976		7.49	10.0	-25.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Jan-2016 12:11:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017944-002
 Misc. Info.: ccvis
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2016 12:44:29 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: guazzonig

Date: 23-Jan-2016 12:44:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.747	2.747	0.000	96	90072	10.0	9.60	
2 Dichlorodifluoromethane	85	2.811	2.811	0.000	99	765978	10.0	9.12	
3 Chlorodifluoromethane	51	2.859	2.859	0.000	96	282740	10.0	9.53	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.063	3.063	0.000	93	633012	10.0	8.69	
5 Chloromethane	50	3.180	3.180	0.000	98	132953	10.0	8.95	
6 Butane	43	3.384	3.384	0.000	95	168633	10.0	8.91	
7 Vinyl chloride	62	3.416	3.416	0.000	98	179169	10.0	8.51	
8 Butadiene	54	3.491	3.491	0.000	90	106477	10.0	9.03	
10 Bromomethane	94	4.133	4.133	0.000	98	266075	10.0	8.71	
9 BFB									
11 Chloroethane	64	4.368	4.368	0.000	98	67492	10.0	9.00	
12 2-Methylbutane	43	4.475	4.475	0.000	86	103516	10.0	8.16	
13 Vinyl bromide	106	4.753	4.753	0.000	98	292585	10.0	8.99	
14 Trichlorofluoromethane	101	4.876	4.876	0.000	98	762133	10.0	8.58	
16 Pentane	43	5.031	5.031	0.000	98	153906	10.0	8.83	
17 Ethanol	45	5.443	5.443	0.000	95	56912	15.0	12.6	
18 Ethyl ether	59	5.556	5.556	0.000	95	76400	10.0	9.22	
19 Acrolein	56	5.882	5.882	0.000	96	30812	10.0	9.89	
20 1,1,2-Trichloro-1,2,2-trif	101	5.973	5.973	0.000	99	484358	10.0	8.55	
21 1,1-Dichloroethene	96	5.984	5.984	0.000	93	206836	10.0	8.66	
22 Acetone	43	6.198	6.198	0.000	99	155180	10.0	8.51	
23 Carbon disulfide	76	6.358	6.358	0.000	98	514071	10.0	8.95	
24 Isopropyl alcohol	45	6.545	6.545	0.000	99	126736	10.0	8.90	
25 3-Chloro-1-propene	41	6.770	6.770	0.000	89	118603	10.0	9.43	
26 Acetonitrile	41	6.840	6.840	0.000	98	55958	10.0	8.71	
27 Methylene Chloride	49	7.054	7.054	0.000	79	148189	10.0	8.54	
28 2-Methyl-2-propanol	59	7.332	7.332	0.000	93	238185	10.0	9.05	
31 trans-1,2-Dichloroethene	61	7.519	7.519	0.000	89	229482	10.0	8.89	
29 Methyl tert-butyl ether	73	7.524	7.524	0.000	94	438926	10.0	8.66	
32 Acrylonitrile	53	7.615	7.615	0.000	93	65681	10.0	8.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Hexane	57	7.968	7.968	0.000	89	162862	10.0	8.88	
34 1,1-Dichloroethane	63	8.380	8.380	0.000	99	293552	10.0	8.94	
35 Vinyl acetate	43	8.487	8.487	0.000	99	235038	10.0	8.79	
37 cis-1,2-Dichloroethene	96	9.488	9.488	0.000	82	261709	10.0	8.74	
38 2-Butanone (MEK)	72	9.536	9.536	0.000	96	67885	10.0	8.70	
39 Ethyl acetate	88	9.627	9.627	0.000	98	10399	10.0	8.51	
S 30 1,2-Dichloroethene, Total	61				0		20.0	17.6	
* 40 Chlorobromomethane	128	9.937	9.937	0.000	68	322447	10.0	10.0	s
41 Tetrahydrofuran	42	9.985	9.985	0.000	74	98137	10.0	8.22	
42 Chloroform	83	10.087	10.087	0.000	94	563040	10.0	8.71	
44 1,1,1-Trichloroethane	97	10.370	10.370	0.000	93	668915	10.0	8.15	
43 Cyclohexane	84	10.376	10.376	0.000	87	261428	10.0	8.29	
45 Carbon tetrachloride	117	10.638	10.638	0.000	96	823263	10.0	8.95	
47 Benzene	78	11.071	11.071	0.000	93	685564	10.0	8.21	
46 Isooctane	57	11.125	11.125	0.000	98	756131	10.0	8.34	
48 1,2-Dichloroethane	62	11.221	11.221	0.000	99	358660	10.0	8.45	
49 n-Heptane	43	11.526	11.526	0.000	80	238141	10.0	8.29	
* 50 1,4-Difluorobenzene	114	11.916	11.916	0.000	91	1802895	10.0	10.0	s
52 n-Butanol	56	12.334	12.334	0.000	85	81346	10.0	8.38	
53 Trichloroethene	95	12.387	12.387	0.000	93	533529	10.0	8.25	
A 51 GRO	1	12.810	(4.465-21.155)		0	142349496	10.0	0	
54 1,2-Dichloropropane	63	12.895	12.895	0.000	89	279954	10.0	8.31	
55 Methyl methacrylate	69	13.120	13.120	0.000	90	237542	10.0	8.57	
57 Dibromomethane	174	13.141	13.141	0.000	89	731022	10.0	8.01	
56 1,4-Dioxane	88	13.152	13.152	0.000	82	149037	10.0	8.16	
58 Dichlorobromomethane	83	13.457	13.457	0.000	97	957408	10.0	8.52	
60 cis-1,3-Dichloropropene	75	14.431	14.431	0.000	86	743513	10.0	8.72	
A 59 TVOC as Toluene	92	14.476	(2.737-26.215)		0	245816881	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.757	14.757	0.000	91	536225	10.0	8.31	
65 Toluene	92	15.073	15.073	0.000	94	1065007	10.0	8.23	
A 63 Toluene Range	92	15.073	(15.033-15.113)		0	3754476	NC	NC	
A 62 C8 Range	1	15.233	(15.183-15.283)		0	2913938	NC	NC	
64 n-Octane	43	15.233	15.233	0.000	81	606581	10.0	8.30	
66 trans-1,3-Dichloropropene	75	15.672	15.672	0.000	91	791276	10.0	8.80	
67 1,1,2-Trichloroethane	83	16.046	16.046	0.000	92	534517	10.0	8.44	
68 Tetrachloroethene	166	16.223	16.223	0.000	96	1376876	10.0	7.94	
69 2-Hexanone	43	16.549	16.549	0.000	98	535703	10.0	8.31	
71 Chlorodibromomethane	129	16.833	16.833	0.000	97	1532171	10.0	8.99	
72 Ethylene Dibromide	107	17.100	17.100	0.000	99	1247281	10.0	8.67	
* 74 Chlorobenzene-d5	117	18.053	18.053	0.000	80	2936446	10.0	10.0	s
75 Chlorobenzene	112	18.111	18.111	0.000	99	1735401	10.0	8.58	
76 Ethylbenzene	91	18.293	18.293	0.000	96	2288670	10.0	8.50	
77 n-Nonane	57	18.507	18.507	0.000	80	705117	10.0	8.60	
78 m-Xylene & p-Xylene	106	18.550	18.550	0.000	0	1923909	20.0	17.0	
79 o-Xylene	106	19.395	19.395	0.000	97	1015200	10.0	8.34	
80 Styrene	104	19.443	19.443	0.000	93	1435764	10.0	8.66	
S 73 Xylenes, Total	106				0		30.0	25.3	
81 Bromoform	173	19.850	19.850	0.000	98	1296412	10.0	9.37	
82 Isopropylbenzene	105	20.139	20.139	0.000	94	2714903	10.0	8.23	
* 83 4-Bromofluorobenzene	95	20.503	20.503	0.000	96	1739559	10.0	10.0	s
84 1,1,2,2-Tetrachloroethane	83	20.781	20.781	0.000	98	1308193	10.0	8.34	
86 1,2,3-Trichloropropane	75	20.872	20.872	0.000	94	912678	10.0	8.36	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	91	20.899	20.899	0.000	99	2900333	10.0	8.30	
89 2-Chlorotoluene	91	21.086	21.086	0.000	95	2050307	10.0	8.21	
88 4-Ethyltoluene	105	21.102	21.102	0.000	97	2532629	10.0	8.21	
87 n-Decane	57	21.145	21.145	0.000	90	849928	10.0	8.41	
90 1,3,5-Trimethylbenzene	105	21.214	21.214	0.000	95	2274541	10.0	8.17	
91 Alpha Methyl Styrene	118	21.583	21.583	0.000	93	1240185	10.0	9.02	
92 tert-Butylbenzene	119	21.717	21.717	0.000	95	2326245	10.0	8.24	
93 1,2,4-Trimethylbenzene	105	21.813	21.813	0.000	95	2300264	10.0	8.23	
94 sec-Butylbenzene	105	22.054	22.054	0.000	99	3369296	10.0	8.45	
95 4-Isopropyltoluene	119	22.263	22.263	0.000	97	2804809	10.0	8.39	
96 1,3-Dichlorobenzene	146	22.268	22.268	0.000	92	1895425	10.0	8.54	
97 1,4-Dichlorobenzene	146	22.402	22.402	0.000	97	2018858	10.0	8.51	
98 Benzyl chloride	91	22.589	22.589	0.000	100	1776092	10.0	9.03	
100 n-Butylbenzene	91	22.830	22.830	0.000	98	2351880	10.0	8.35	
99 Undecane	57	22.899	22.899	0.000	88	850386	10.0	8.81	
101 1,2-Dichlorobenzene	146	22.921	22.921	0.000	99	1834494	10.0	8.25	
102 Dodecane	57	24.424	24.424	0.000	94	780761	10.0	9.44	
103 1,2,4-Trichlorobenzene	180	25.317	25.317	0.000	93	1234085	10.0	7.67	
104 Hexachlorobutadiene	225	25.526	25.526	0.000	98	1266288	10.0	7.93	
105 Naphthalene	128	25.751	25.751	0.000	99	2428149	10.0	7.56	
106 1,2,3-Trichlorobenzene	180	26.205	26.205	0.000	96	1167401	10.0	7.49	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Reagents:

ATTO15CAL4w_00529

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_02.D

Injection Date: 22-Jan-2016 12:11:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

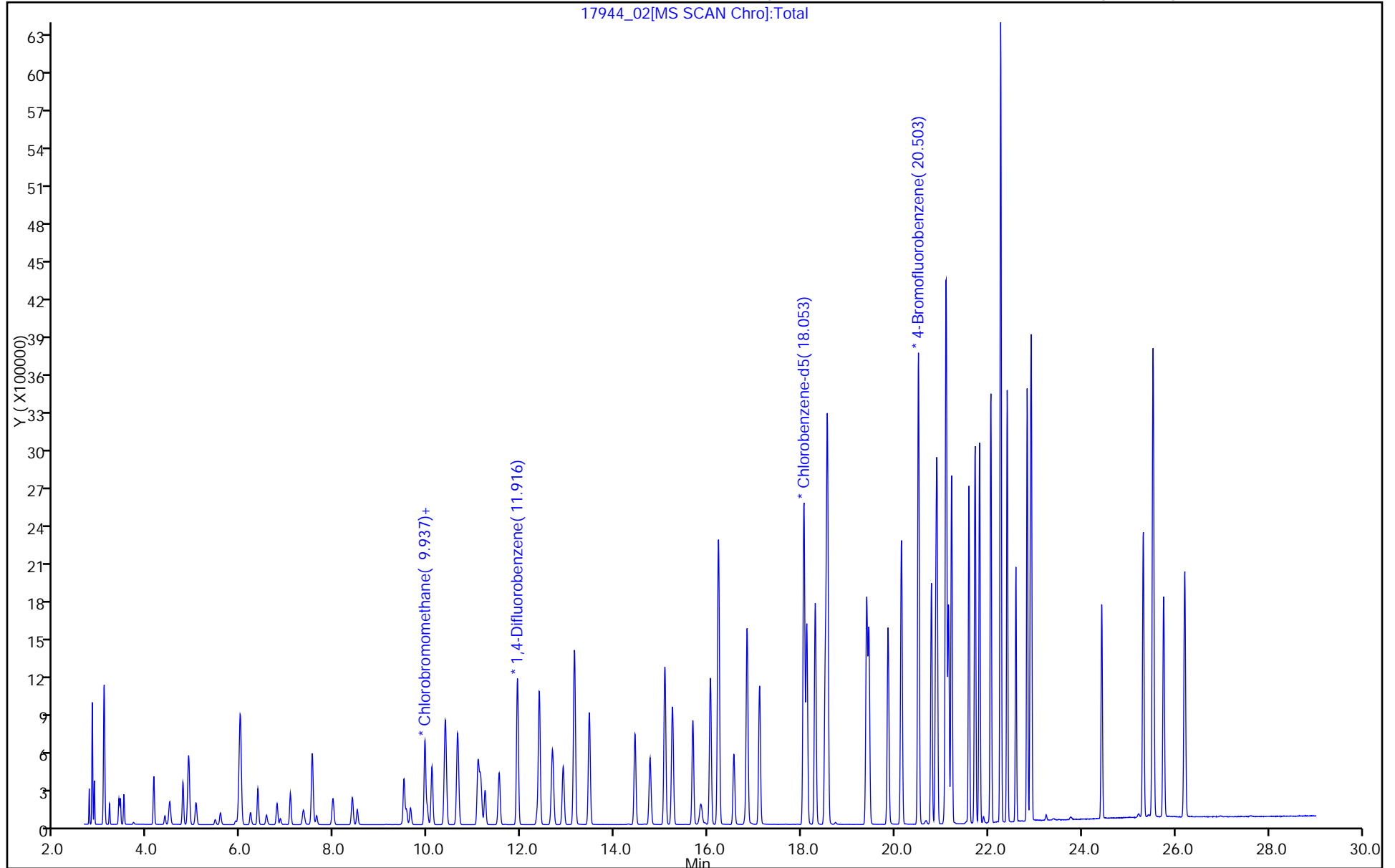
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4164	0.4065		9.76	10.0	-2.4	30.0
Dichlorodifluoromethane	Ave	2.135	2.125		9.95	10.0	-0.5	30.0
Freon 22	Ave	1.014	1.011		9.97	10.0	-0.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.404		11.2	10.0	11.6	30.0
Chloromethane	Ave	0.5832	0.5603		9.61	10.0	-3.9	30.0
n-Butane	Ave	0.9370	0.9027		9.63	10.0	-3.7	30.0
Vinyl chloride	Ave	0.7772	0.7663		9.86	10.0	-1.4	30.0
1,3-Butadiene	Ave	0.5401	0.5297		9.80	10.0	-1.9	30.0
Bromomethane	Ave	0.7680	0.7824		10.2	10.0	1.9	30.0
Chloroethane	Ave	0.3606	0.3557		9.86	10.0	-1.4	30.0
Isopentane	Ave	0.6250	0.6559		10.5	10.0	4.9	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.9094		9.84	10.0	-1.6	30.0
Trichlorofluoromethane	Ave	2.291	2.241		9.78	10.0	-2.2	30.0
n-Pentane	Ave	1.063	1.144		10.8	10.0	7.6	30.0
Ethanol	Ave	0.2636	0.2142		12.2	15.0	-18.7	30.0
Ethyl ether	Ave	0.5178	0.5762		11.1	10.0	11.3	30.0
Acrolein	Ave	0.2172	0.2671		12.3	10.0	23.0	30.0
Freon TF	Ave	1.793	1.790		9.98	10.0	-0.1	30.0
1,1-Dichloroethene	Ave	0.8656	0.8542		9.87	10.0	-1.3	30.0
Acetone	Ave	0.9159	0.9266		10.1	10.0	1.2	30.0
Carbon disulfide	Ave	2.244	2.551		11.4	10.0	13.7	30.0
Isopropyl alcohol	Ave	0.8842	0.7488		8.47	10.0	-15.3	30.0
3-Chloropropene	Ave	0.8024	0.7496		9.34	10.0	-6.6	30.0
Acetonitrile	Ave	0.4179	0.4327		10.4	10.0	3.5	30.0
Methylene Chloride	Ave	0.8036	0.7470		9.29	10.0	-7.0	30.0
tert-Butyl alcohol	Ave	1.478	1.335		9.03	10.0	-9.7	30.0
Methyl tert-butyl ether	Ave	2.445	2.464		10.1	10.0	0.8	30.0
trans-1,2-Dichloroethene	Ave	1.140	1.201		10.5	10.0	5.4	30.0
Acrylonitrile	Ave	0.5153	0.5333		10.3	10.0	3.5	30.0
n-Hexane	Ave	1.167	1.235		10.6	10.0	5.8	30.0
1,1-Dichloroethane	Ave	1.534	1.509		9.83	10.0	-1.6	30.0
Vinyl acetate	Ave	1.741	1.747		10.0	10.0	0.3	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.114		9.93	10.0	-0.7	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4900		9.68	10.0	-3.2	30.0
Ethyl acetate	Ave	0.0842	0.0925		11.0	10.0	9.8	30.0
Tetrahydrofuran	Ave	0.1476	0.1455		9.85	10.0	-1.4	30.0
Chloroform	Ave	2.148	2.142		9.97	10.0	-0.2	30.0
Cyclohexane	Ave	0.2714	0.2761		10.2	10.0	1.8	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.4040		10.1	10.0	0.7	30.0
Carbon tetrachloride	Ave	0.4336	0.4394		10.1	10.0	1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9049	0.8875		9.81	10.0	-1.9	30.0
Benzene	Ave	0.6437	0.6387		9.92	10.0	-0.8	30.0
1,2-Dichloroethane	Ave	0.2300	0.2279		9.90	10.0	-0.9	30.0
n-Heptane	Ave	0.2842	0.2758		9.70	10.0	-3.0	30.0
n-Butanol	Ave	0.0960	0.0901		9.39	10.0	-6.1	30.0
Trichloroethene	Ave	0.3126	0.3045		9.74	10.0	-2.6	30.0
1,2-Dichloropropane	Ave	0.2301	0.2224		9.66	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.2321	0.2327		10.0	10.0	0.2	30.0
1,4-Dioxane	Ave	0.1092	0.0976		8.94	10.0	-10.6	30.0
Dibromomethane	Ave	0.3490	0.3408		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.4592	0.4519		9.84	10.0	-1.6	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3662		10.0	10.0	0.0	30.0
methyl isobutyl ketone	Ave	0.3679	0.3581		9.73	10.0	-2.7	30.0
Toluene	Ave	0.5622	0.5610		9.98	10.0	-0.2	30.0
n-Octane	Ave	0.4074	0.3987		9.78	10.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3669		9.89	10.0	-1.1	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2647		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.5295	0.5252		9.92	10.0	-0.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3515		9.49	10.0	-5.1	30.0
Dibromochloromethane	Ave	0.5444	0.5217		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.5173	0.5240		10.1	10.0	1.3	30.0
Chlorobenzene	Ave	0.7973	0.7929		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.222	1.216		9.94	10.0	-0.6	30.0
n-Nonane	Ave	0.4949	0.4872		9.84	10.0	-1.5	30.0
m,p-Xylene	Ave	0.5015	0.4984		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.5029	0.4921		9.78	10.0	-2.1	30.0
Styrene	Ave	0.7800	0.7767		9.96	10.0	-0.4	30.0
Bromoform	Ave	0.4558	0.4025		8.83	10.0	-11.7	30.0
Cumene	Ave	1.427	1.404		9.84	10.0	-1.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.6911		10.1	10.0	1.0	30.0
n-Propylbenzene	Ave	1.656	1.648		9.95	10.0	-0.5	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5029		9.74	10.0	-2.6	30.0
n-Decane	Ave	0.5556	0.5293		9.52	10.0	-4.7	30.0
4-Ethyltoluene	Ave	1.329	1.432		10.8	10.0	7.8	30.0
2-Chlorotoluene	Ave	1.125	1.123		9.99	10.0	-0.1	30.0
1,3,5-Trimethylbenzene	Ave	1.137	1.196		10.5	10.0	5.2	30.0
Alpha Methyl Styrene	Ave	0.5896	0.6368		10.8	10.0	8.0	30.0
tert-Butylbenzene	Ave	1.095	1.157		10.6	10.0	5.7	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.188		10.5	10.0	5.4	30.0
sec-Butylbenzene	Ave	1.596	1.695		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.362	0.9783		7.18	10.0	-28.2	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.8788		10.5	10.0	5.0	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.8813		10.4	10.0	4.1	30.0
Benzyl chloride	Ave	0.8530	0.8702		10.2	10.0	2.0	30.0
n-Butylbenzene	Ave	1.235	1.055		8.54	10.0	-14.6	30.0
n-Undecane	Ave	0.6335	0.6218		9.81	10.0	-1.8	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.8364		10.7	10.0	6.6	30.0
n-Dodecane	Ave	0.4666	0.4988		10.7	10.0	6.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.6464		10.1	10.0	1.2	30.0
Hexachlorobutadiene	Ave	0.5884	0.6179		10.5	10.0	5.0	30.0
Naphthalene	Ave	1.303	1.232		9.45	10.0	-5.5	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5461		10.2	10.0	2.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_13.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Dec-2015 01:34:30 ALS Bottle#: 10 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-013
 Misc. Info.: icv
 Operator ID: wrd Instrument ID: CHX.i
 Sublist:
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Dec-2015 10:08:42 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK036

First Level Reviewer: desjardinsb

Date: 04-Dec-2015 10:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.087	3.087	0.000	98	113379	10.0	9.76	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	592673	10.0	9.95	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	97	282034	10.0	9.97	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.408	3.408	0.000	92	670464	10.0	11.2	
5 Chloromethane	50	3.541	3.541	0.000	100	156281	10.0	9.61	
6 Butane	43	3.729	3.729	0.000	98	251756	10.0	9.63	
7 Vinyl chloride	62	3.777	3.771	0.006	98	213738	10.0	9.86	
8 Butadiene	54	3.846	3.846	0.000	92	147734	10.0	9.80	
9 Bromomethane	94	4.494	4.499	-0.005	99	218212	10.0	10.2	
10 Chloroethane	64	4.718	4.718	0.000	99	99193	10.0	9.86	
11 2-Methylbutane	43	4.777	4.777	0.000	88	182924	10.0	10.5	
12 Vinyl bromide	106	5.087	5.087	0.000	100	253626	10.0	9.84	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	99	625128	10.0	9.78	
14 Pentane	43	5.307	5.307	0.000	98	319093	10.0	10.8	
15 Ethanol	45	5.745	5.761	-0.016	98	89659	15.0	12.2	
16 Ethyl ether	59	5.820	5.820	0.000	94	160697	10.0	11.1	
\$ 19 BFB									
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.200	0.005	98	499303	10.0	9.98	
17 Acrolein	56	6.200	6.200	0.000	59	74508	10.0	12.3	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	95	238236	10.0	9.87	
21 Acetone	43	6.505	6.510	-0.005	96	258422	10.0	10.1	
22 Carbon disulfide	76	6.660	6.655	0.005	98	711489	10.0	11.4	
23 Isopropyl alcohol	45	6.810	6.821	-0.011	100	208857	10.0	8.47	
24 3-Chloro-1-propene	41	7.029	7.029	0.000	94	209079	10.0	9.34	
25 Acetonitrile	41	7.174	7.179	-0.005	100	120672	10.0	10.4	
26 Methylene Chloride	49	7.324	7.324	0.000	84	208348	10.0	9.29	
28 2-Methyl-2-propanol	59	7.602	7.618	-0.016	92	372202	10.0	9.03	
29 Methyl tert-butyl ether	73	7.730	7.735	-0.005	96	687291	10.0	10.1	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	95	335039	10.0	10.5	
31 Acrylonitrile	53	7.928	7.928	0.000	96	148740	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.131	8.131	0.000	88	344517	10.0	10.6	
33 1,1-Dichloroethane	63	8.645	8.645	0.000	99	420851	10.0	9.83	
34 Vinyl acetate	43	8.709	8.714	-0.005	99	487311	10.0	10.0	
35 cis-1,2-Dichloroethene	96	9.779	9.779	0.000	87	310614	10.0	9.93	
36 2-Butanone (MEK)	72	9.843	9.838	0.005	100	136661	10.0	9.68	
37 Ethyl acetate	88	9.870	9.881	-0.011	99	25807	10.0	11.0	
S 38 1,2-Dichloroethene, Total	61				0		20.0	20.5	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	78	278960	10.0	10.0	
39 Tetrahydrofuran	42	10.282	10.287	-0.005	87	228156	10.0	9.85	
41 Chloroform	83	10.400	10.400	0.000	94	597533	10.0	9.97	
42 Cyclohexane	84	10.646	10.651	-0.005	92	432941	10.0	10.2	
43 1,1,1-Trichloroethane	97	10.683	10.683	0.000	94	633423	10.0	10.1	
44 Carbon tetrachloride	117	10.940	10.945	-0.005	97	688873	10.0	10.1	
45 Isooctane	57	11.395	11.395	0.000	99	1391544	10.0	9.81	
46 Benzene	78	11.443	11.443	0.000	94	1001425	10.0	9.92	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	98	357340	10.0	9.90	
48 n-Heptane	43	11.801	11.807	-0.006	85	432484	10.0	9.70	
* 50 1,4-Difluorobenzene	114	12.342	12.342	0.000	92	1568240	10.0	10.0	
51 n-Butanol	56	12.812	12.818	-0.006	83	141303	10.0	9.39	
52 Trichloroethene	95	12.839	12.839	0.000	96	477417	10.0	9.74	
53 1,2-Dichloropropane	63	13.438	13.438	0.000	94	348630	10.0	9.66	
54 Methyl methacrylate	69	13.609	13.609	0.000	93	364878	10.0	10.0	
55 1,4-Dioxane	88	13.684	13.690	-0.006	86	152963	10.0	8.94	
56 Dibromomethane	174	13.711	13.711	0.000	92	534308	10.0	9.76	
57 Dichlorobromomethane	83	14.016	14.021	-0.005	97	708492	10.0	9.84	
58 cis-1,3-Dichloropropene	75	14.990	14.995	-0.005	87	574170	10.0	10.0	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	206893175	10.0	2346.8	
61 4-Methyl-2-pentanone (MIBK)	43	15.316	15.321	-0.005	91	561451	10.0	9.73	
62 Toluene	92	15.605	15.610	-0.005	93	823384	10.0	9.98	
66 n-Octane	43	15.653	15.653	0.000	84	625053	10.0	9.78	
A 65 GRO	1	15.653	(15.653-15.653)		0	2497390	10.0	0	
67 trans-1,3-Dichloropropene	75	16.247	16.247	0.000	93	575285	10.0	9.89	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	93	388459	10.0	10.1	
69 Tetrachloroethene	166	16.739	16.739	0.000	97	770861	10.0	9.92	
70 2-Hexanone	43	17.130	17.135	-0.005	98	515843	10.0	9.49	
71 Chlorodibromomethane	129	17.445	17.445	0.000	98	765635	10.0	9.58	
72 Ethylene Dibromide	107	17.729	17.734	-0.005	98	769044	10.0	10.1	
* 73 Chlorobenzene-d5	117	18.676	18.676	0.000	83	1468004	10.0	10.0	
74 Chlorobenzene	112	18.740	18.740	0.000	98	1163744	10.0	9.94	
75 Ethylbenzene	91	18.895	18.895	0.000	97	1784056	10.0	9.94	
76 n-Nonane	57	19.018	19.018	0.000	83	715102	10.0	9.84	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	1463044	20.0	19.9	
S 80 Xylenes, Total	106				0		30.0	29.7	
78 o-Xylene	106	20.056	20.061	-0.005	99	722258	10.0	9.78	
79 Styrene	104	20.115	20.120	-0.005	95	1139929	10.0	9.96	
81 Bromoform	173	20.580	20.580	0.000	99	590822	10.0	8.83	
82 Isopropylbenzene	105	20.789	20.789	0.000	94	2060310	10.0	9.84	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	98	1014314	10.0	10.1	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	2418872	10.0	9.95	
87 1,2,3-Trichloropropane	75	21.597	21.597	0.000	95	738174	10.0	9.74	
88 n-Decane	57	21.736	21.736	0.000	89	776843	10.0	9.52	
89 4-Ethyltoluene	105	21.752	21.752	0.000	99	2102250	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.768	21.768	0.000	96	1648771	10.0	9.99	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	1755126	10.0	10.5	
92 Alpha Methyl Styrene	118	22.249	22.255	-0.006	92	934624	10.0	10.8	
93 tert-Butylbenzene	119	22.378	22.378	0.000	95	1698609	10.0	10.6	
94 1,2,4-Trimethylbenzene	105	22.474	22.479	-0.005	96	1743199	10.0	10.5	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	2487210	10.0	10.6	
96 4-Isopropyltoluene	119	22.923	22.923	0.000	98	1435919	10.0	7.18	
97 1,3-Dichlorobenzene	146	22.961	22.961	0.000	95	1289799	10.0	10.5	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	96	1293530	10.0	10.4	
99 Benzyl chloride	91	23.308	23.308	0.000	100	1277196	10.0	10.2	
101 n-Butylbenzene	91	23.517	23.517	0.000	98	1548643	10.0	8.54	
100 Undecane	57	23.533	23.539	-0.005	93	912573	10.0	9.81	
102 1,2-Dichlorobenzene	146	23.656	23.662	-0.006	98	1227609	10.0	10.7	
103 Dodecane	57	25.176	25.176	0.000	95	732080	10.0	10.7	
104 1,2,4-Trichlorobenzene	180	26.262	26.262	0.001	94	948680	10.0	10.1	
105 Hexachlorobutadiene	225	26.449	26.449	0.000	97	906909	10.0	10.5	
106 Naphthalene	128	26.770	26.770	0.000	99	1807616	10.0	9.45	
107 1,2,3-Trichlorobenzene	180	27.267	27.267	0.000	96	801498	10.0	10.2	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00557

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_13.D

Injection Date: 03-Dec-2015 01:34:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: icv

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

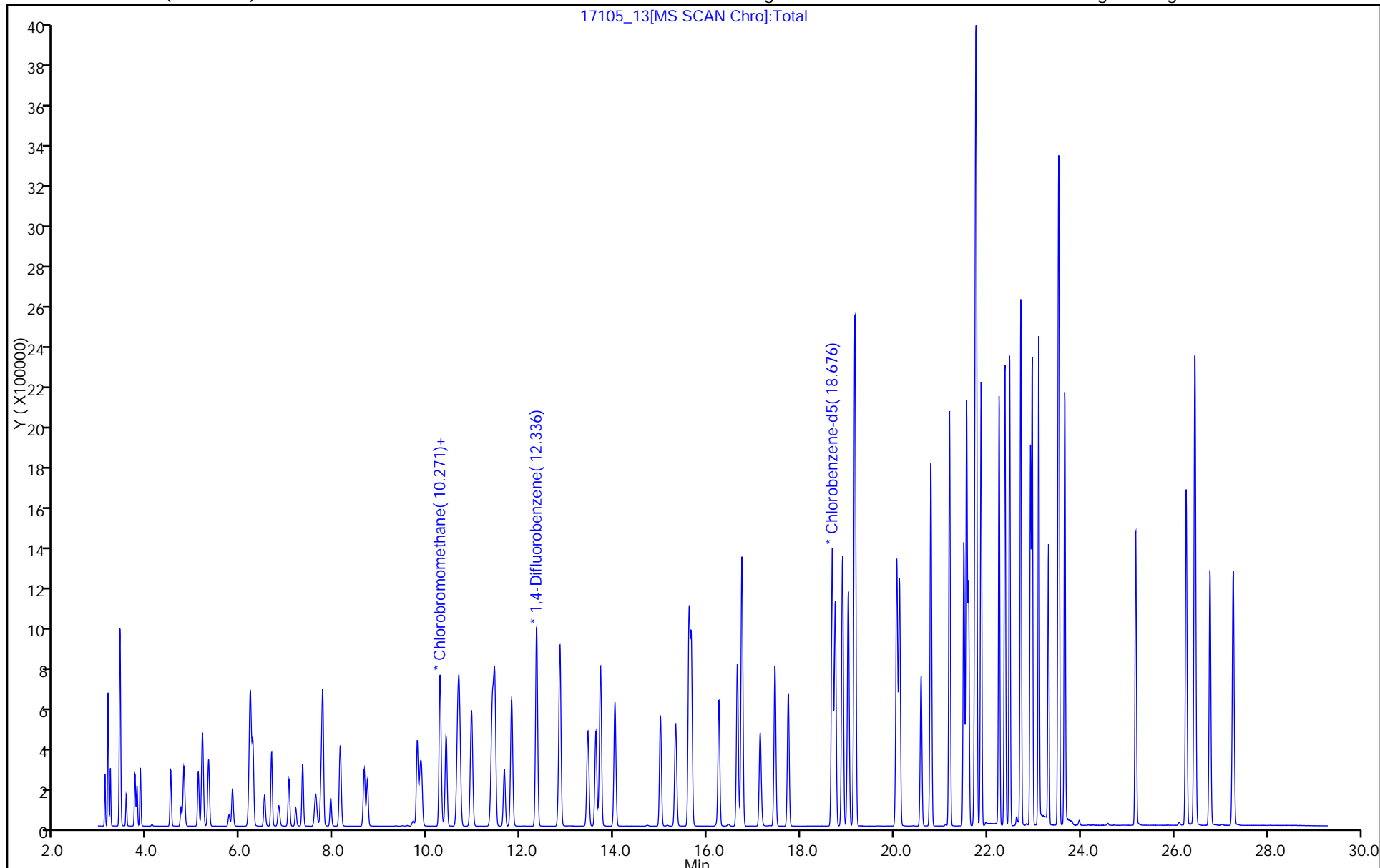
ALS Bottle#: 10

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: CCVIS 200-99999/2 Calibration Date: 01/26/2016 11:22
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17998_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4164	0.4024		9.66	10.0	-3.4	30.0
Dichlorodifluoromethane	Ave	2.135	2.071		9.70	10.0	-3.0	30.0
Freon 22	Ave	1.014	0.9834		9.70	10.0	-3.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.056		9.54	10.0	-4.6	30.0
Chloromethane	Ave	0.5832	0.5537		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.9370	0.8472		9.04	10.0	-9.6	30.0
Vinyl chloride	Ave	0.7772	0.7330		9.43	10.0	-5.7	30.0
1,3-Butadiene	Ave	0.5401	0.4964		9.19	10.0	-8.1	30.0
Bromomethane	Ave	0.7680	0.7681		10.0	10.0	0.0	30.0
Chloroethane	Ave	0.3606	0.3377		9.36	10.0	-6.4	30.0
Isopentane	Ave	0.6250	0.5317		8.50	10.0	-14.9	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.7964		8.61	10.0	-13.8	30.0
Trichlorofluoromethane	Ave	2.291	2.099		9.16	10.0	-8.4	30.0
n-Pentane	Ave	1.063	0.9208		8.66	10.0	-13.4	30.0
Ethanol	Ave	0.2636	0.2241		12.8	15.0	-15.0	30.0
Ethyl ether	Ave	0.5178	0.4456		8.60	10.0	-14.0	30.0
Acrolein	Ave	0.2172	0.2049		9.43	10.0	-5.7	30.0
Freon TF	Ave	1.793	1.666		9.29	10.0	-7.1	30.0
1,1-Dichloroethene	Ave	0.8656	0.7967		9.20	10.0	-8.0	30.0
Acetone	Ave	0.9159	0.7898		8.62	10.0	-13.8	30.0
Carbon disulfide	Ave	2.244	2.022		9.01	10.0	-9.9	30.0
Isopropyl alcohol	Ave	0.8842	0.7289		8.24	10.0	-17.6	30.0
3-Chloropropene	Ave	0.8024	0.6723		8.38	10.0	-16.2	30.0
Acetonitrile	Ave	0.4179	0.3707		8.87	10.0	-11.3	30.0
Methylene Chloride	Ave	0.8036	0.6841		8.51	10.0	-14.9	30.0
tert-Butyl alcohol	Ave	1.478	1.199		8.11	10.0	-18.9	30.0
Methyl tert-butyl ether	Ave	2.445	2.133		8.73	10.0	-12.7	30.0
trans-1,2-Dichloroethene	Ave	1.140	1.021		8.95	10.0	-10.4	30.0
Acrylonitrile	Ave	0.5153	0.4483		8.70	10.0	-13.0	30.0
n-Hexane	Ave	1.167	1.009		8.64	10.0	-13.5	30.0
1,1-Dichloroethane	Ave	1.534	1.352		8.81	10.0	-11.9	30.0
Vinyl acetate	Ave	1.741	1.508		8.66	10.0	-13.4	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.055		9.41	10.0	-5.9	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4339		8.57	10.0	-14.3	30.0
Ethyl acetate	Ave	0.0842	0.0769		9.13	10.0	-8.7	30.0
Tetrahydrofuran	Ave	0.1476	0.1402		9.49	10.0	-5.1	30.0
Chloroform	Ave	2.148	2.014		9.38	10.0	-6.2	30.0
Cyclohexane	Ave	0.2714	0.2573		9.48	10.0	-5.2	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.3710		9.25	10.0	-7.5	30.0
Carbon tetrachloride	Ave	0.4336	0.3948		9.10	10.0	-9.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: CCVIS 200-99999/2 Calibration Date: 01/26/2016 11:22
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17998_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9049	0.8917		9.85	10.0	-1.5	30.0
Benzene	Ave	0.6437	0.6140		9.54	10.0	-4.6	30.0
1,2-Dichloroethane	Ave	0.2300	0.2203		9.57	10.0	-4.2	30.0
n-Heptane	Ave	0.2842	0.2898		10.2	10.0	2.0	30.0
n-Butanol	Ave	0.0960	0.0814		8.48	10.0	-15.2	30.0
Trichloroethene	Ave	0.3126	0.2936		9.39	10.0	-6.1	30.0
1,2-Dichloropropane	Ave	0.2301	0.2386		10.4	10.0	3.7	30.0
Methyl methacrylate	Ave	0.2321	0.2243		9.66	10.0	-3.4	30.0
1,4-Dioxane	Ave	0.1092	0.1039		9.52	10.0	-4.8	30.0
Dibromomethane	Ave	0.3490	0.3288		9.42	10.0	-5.8	30.0
Bromodichloromethane	Ave	0.4592	0.4452		9.69	10.0	-3.0	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3621		9.90	10.0	-1.0	30.0
methyl isobutyl ketone	Ave	0.3679	0.3810		10.4	10.0	3.6	30.0
Toluene	Ave	0.5622	0.5173		9.20	10.0	-8.0	30.0
n-Octane	Ave	0.4074	0.4315		10.6	10.0	5.9	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3608		9.73	10.0	-2.7	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2574		9.78	10.0	-2.2	30.0
Tetrachloroethene	Ave	0.5295	0.4856		9.17	10.0	-8.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3305		8.92	10.0	-10.8	30.0
Dibromochloromethane	Ave	0.5444	0.5021		9.22	10.0	-7.8	30.0
1,2-Dibromoethane	Ave	0.5173	0.4950		9.57	10.0	-4.3	30.0
Chlorobenzene	Ave	0.7973	0.7393		9.27	10.0	-7.3	30.0
Ethylbenzene	Ave	1.222	1.138		9.31	10.0	-6.9	30.0
n-Nonane	Ave	0.4949	0.4875		9.85	10.0	-1.5	30.0
m,p-Xylene	Ave	0.5015	0.4645		18.5	20.0	-7.4	30.0
Xylene, o-	Ave	0.5029	0.4586		9.12	10.0	-8.8	30.0
Styrene	Ave	0.7800	0.7126		9.13	10.0	-8.6	30.0
Bromoform	Ave	0.4558	0.4339		9.52	10.0	-4.8	30.0
Cumene	Ave	1.427	1.314		9.21	10.0	-7.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.6880		10.1	10.0	0.6	30.0
n-Propylbenzene	Ave	1.656	1.603		9.68	10.0	-3.2	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5055		9.78	10.0	-2.1	30.0
n-Decane	Ave	0.5556	0.6351		11.4	10.0	14.3	30.0
4-Ethyltoluene	Ave	1.329	1.295		9.74	10.0	-2.5	30.0
2-Chlorotoluene	Ave	1.125	1.082		9.62	10.0	-3.8	30.0
1,3,5-Trimethylbenzene	Ave	1.137	0.8676		7.63	10.0	-23.7	30.0
Alpha Methyl Styrene	Ave	0.5896	0.4587		7.78	10.0	-22.2	30.0
tert-Butylbenzene	Ave	1.095	0.8866		8.09	10.0	-19.1	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.019		9.04	10.0	-9.5	30.0
sec-Butylbenzene	Ave	1.596	1.591		9.97	10.0	-0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Lab Sample ID: CCVIS 200-99999/2 Calibration Date: 01/26/2016 11:22
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17998_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.362	1.408		10.3	10.0	3.4	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.6943		8.30	10.0	-17.0	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.7616		9.00	10.0	-10.0	30.0
Benzyl chloride	Ave	0.8530	0.8923		10.5	10.0	4.6	30.0
n-Butylbenzene	Ave	1.235	1.284		10.4	10.0	4.0	30.0
n-Undecane	Ave	0.6335	0.6489		10.2	10.0	2.4	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.8023		10.2	10.0	2.3	30.0
n-Dodecane	Ave	0.4666	0.5332		11.4	10.0	14.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.6407		10.0	10.0	0.3	30.0
Hexachlorobutadiene	Ave	0.5884	0.6018		10.2	10.0	2.3	30.0
Naphthalene	Ave	1.303	1.298		9.96	10.0	-0.4	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5456		10.3	10.0	2.8	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 26-Jan-2016 11:22:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-002
 Operator ID: ggg Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:58 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: guazzonig Date: 26-Jan-2016 12:23:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.092	3.092	0.000	99	143964	10.0	9.66	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	740849	10.0	9.70	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	97	351862	10.0	9.70	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.413	0.000	97	735610	10.0	9.54	
5 Chloromethane	50	3.547	3.547	0.000	99	198111	10.0	9.49	
6 Butane	43	3.734	3.734	0.000	98	303133	10.0	9.04	
7 Vinyl chloride	62	3.777	3.777	0.000	98	262275	10.0	9.43	
8 Butadiene	54	3.852	3.852	0.000	92	177610	10.0	9.19	
9 Bromomethane	94	4.499	4.499	0.000	99	274812	10.0	10.0	
10 Chloroethane	64	4.718	4.718	0.000	99	120814	10.0	9.36	
11 2-Methylbutane	43	4.782	4.782	0.000	90	190227	10.0	8.50	
12 Vinyl bromide	106	5.087	5.087	0.000	99	284956	10.0	8.61	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	98	751120	10.0	9.16	
14 Pentane	43	5.307	5.307	0.000	98	329448	10.0	8.66	
15 Ethanol	45	5.783	5.783	0.000	73	120300	15.0	12.8	M
16 Ethyl ether	59	5.831	5.831	0.000	94	159422	10.0	8.60	
17 Acrolein	56	6.205	6.205	0.000	39	73304	10.0	9.43	
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.205	0.000	97	596153	10.0	9.29	
20 1,1-Dichloroethene	96	6.259	6.259	0.000	94	285053	10.0	9.20	
\$ 19 BFB									
21 Acetone	43	6.516	6.516	0.000	96	282574	10.0	8.62	
22 Carbon disulfide	76	6.655	6.655	0.000	98	723596	10.0	9.01	
23 Isopropyl alcohol	45	6.831	6.831	0.000	100	260795	10.0	8.24	
24 3-Chloro-1-propene	41	7.029	7.029	0.000	94	240540	10.0	8.38	
25 Acetonitrile	41	7.179	7.179	0.000	100	132619	10.0	8.87	
26 Methylene Chloride	49	7.323	7.323	0.000	84	244781	10.0	8.51	
28 2-Methyl-2-propanol	59	7.628	7.628	0.000	92	429075	10.0	8.11	
29 Methyl tert-butyl ether	73	7.746	7.746	0.000	96	763304	10.0	8.73	
30 trans-1,2-Dichloroethene	61	7.751	7.751	0.000	94	365334	10.0	8.95	
31 Acrylonitrile	53	7.928	7.928	0.000	95	160393	10.0	8.70	
32 Hexane	57	8.131	8.131	0.000	88	361173	10.0	8.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.639	8.639	0.000	99	483699	10.0	8.81	
34 Vinyl acetate	43	8.714	8.714	0.000	99	539702	10.0	8.66	
35 cis-1,2-Dichloroethene	96	9.779	9.779	0.000	87	377374	10.0	9.41	
36 2-Butanone (MEK)	72	9.843	9.843	0.000	100	155252	10.0	8.57	
37 Ethyl acetate	88	9.881	9.881	0.000	99	27520	10.0	9.13	
S 38 1,2-Dichloroethene, Total	61				0		20.0	18.4	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	78	357869	10.0	10.0	
39 Tetrahydrofuran	42	10.282	10.282	0.000	88	279112	10.0	9.49	
41 Chloroform	83	10.400	10.400	0.000	94	720622	10.0	9.38	
42 Cyclohexane	84	10.646	10.646	0.000	94	512306	10.0	9.48	
43 1,1,1-Trichloroethane	97	10.683	10.683	0.000	94	738838	10.0	9.25	
44 Carbon tetrachloride	117	10.940	10.940	0.000	97	786186	10.0	9.10	
45 Isooctane	57	11.395	11.395	0.000	99	1775696	10.0	9.85	
46 Benzene	78	11.437	11.437	0.000	94	1222683	10.0	9.54	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	97	438716	10.0	9.57	
48 n-Heptane	43	11.807	11.807	0.000	86	577097	10.0	10.2	
* 50 1,4-Difluorobenzene	114	12.336	12.336	0.000	92	1991826	10.0	10.0	
51 n-Butanol	56	12.818	12.818	0.000	83	162106	10.0	8.48	
52 Trichloroethene	95	12.834	12.834	0.000	96	584714	10.0	9.39	
53 1,2-Dichloropropane	63	13.433	13.433	0.000	95	475125	10.0	10.4	
54 Methyl methacrylate	69	13.609	13.609	0.000	94	446676	10.0	9.66	
55 1,4-Dioxane	88	13.690	13.690	0.000	88	206893	10.0	9.52	
56 Dibromomethane	174	13.706	13.706	0.000	94	654773	10.0	9.42	
57 Dichlorobromomethane	83	14.016	14.016	0.000	97	886666	10.0	9.69	
58 cis-1,3-Dichloropropene	75	14.990	14.990	0.000	88	721161	10.0	9.90	
A 60 TVOC as Toluene	1	15.252	(3.054-27.449)		0	254802665	10.0	2275.6	
A 59 Total Hydrocarbons	1	15.252	(3.054-27.449)		0	254802665	NC	NC	
61 4-Methyl-2-pentanone (MIBK)	43	15.316	15.316	0.000	93	758685	10.0	10.4	
62 Toluene	92	15.605	15.605	0.000	92	992074	10.0	9.20	
A 65 GRO	1	15.653	(15.653-15.653)		0	3766901	10.0	0	
66 n-Octane	43	15.653	15.653	0.000	86	859233	10.0	10.6	
67 trans-1,3-Dichloropropene	75	16.241	16.241	0.000	93	718464	10.0	9.73	
68 1,1,2-Trichloroethane	83	16.637	16.637	0.000	94	493649	10.0	9.78	
69 Tetrachloroethene	166	16.734	16.734	0.000	96	931306	10.0	9.17	
70 2-Hexanone	43	17.129	17.129	0.000	98	633781	10.0	8.92	
71 Chlorodibromomethane	129	17.440	17.440	0.000	98	962874	10.0	9.22	
72 Ethylene Dibromide	107	17.729	17.729	0.000	98	949372	10.0	9.57	
* 73 Chlorobenzene-d5	117	18.670	18.670	0.000	82	1918262	10.0	10.0	
74 Chlorobenzene	112	18.734	18.734	0.000	98	1417835	10.0	9.27	
75 Ethylbenzene	91	18.890	18.890	0.000	97	2183493	10.0	9.31	
76 n-Nonane	57	19.013	19.013	0.000	85	934933	10.0	9.85	
77 m-Xylene & p-Xylene	106	19.157	19.157	0.000	0	1781824	20.0	18.5	
S 80 Xylenes, Total	106				0		30.0	27.6	
78 o-Xylene	106	20.050	20.050	0.000	99	879506	10.0	9.12	
79 Styrene	104	20.109	20.109	0.000	95	1366626	10.0	9.13	
81 Bromoform	173	20.575	20.575	0.000	99	832200	10.0	9.52	
82 Isopropylbenzene	105	20.783	20.783	0.000	95	2519946	10.0	9.21	
85 1,1,2,2-Tetrachloroethane	83	21.489	21.489	0.000	97	1319492	10.0	10.1	
86 N-Propylbenzene	91	21.548	21.548	0.000	100	3074361	10.0	9.68	
87 1,2,3-Trichloropropane	75	21.591	21.591	0.000	97	969393	10.0	9.78	
88 n-Decane	57	21.725	21.725	0.000	91	1218069	10.0	11.4	
89 4-Ethyltoluene	105	21.746	21.746	0.000	98	2484388	10.0	9.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 2-Chlorotoluene	91	21.757	21.757	0.000	96	2074830	10.0	9.62	
91 1,3,5-Trimethylbenzene	105	21.859	21.859	0.000	94	1663908	10.0	7.63	
92 Alpha Methyl Styrene	118	22.244	22.244	0.000	91	879699	10.0	7.78	
93 tert-Butylbenzene	119	22.367	22.367	0.000	95	1700406	10.0	8.09	
94 1,2,4-Trimethylbenzene	105	22.468	22.468	0.000	96	1954854	10.0	9.04	
95 sec-Butylbenzene	105	22.709	22.709	0.000	99	3051669	10.0	9.97	
96 4-Isopropyltoluene	119	22.918	22.918	0.000	98	2701212	10.0	10.3	
97 1,3-Dichlorobenzene	146	22.955	22.955	0.000	95	1331506	10.0	8.30	
98 1,4-Dichlorobenzene	146	23.094	23.094	0.000	97	1460590	10.0	9.00	
99 Benzyl chloride	91	23.303	23.303	0.000	100	1711339	10.0	10.5	
101 n-Butylbenzene	91	23.512	23.512	0.000	98	2463412	10.0	10.4	
100 Undecane	57	23.528	23.528	0.000	92	1244504	10.0	10.2	
102 1,2-Dichlorobenzene	146	23.651	23.651	0.000	99	1538733	10.0	10.2	
103 Dodecane	57	25.170	25.170	0.000	97	1022668	10.0	11.4	
104 1,2,4-Trichlorobenzene	180	26.251	26.251	0.000	94	1228863	10.0	10.0	
105 Hexachlorobutadiene	225	26.438	26.438	0.000	97	1154203	10.0	10.2	
106 Naphthalene	128	26.759	26.759	0.000	99	2490336	10.0	9.96	
107 1,2,3-Trichlorobenzene	180	27.256	27.256	0.000	96	1046458	10.0	10.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL4w_00527

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_02.D

Injection Date: 26-Jan-2016 11:22:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

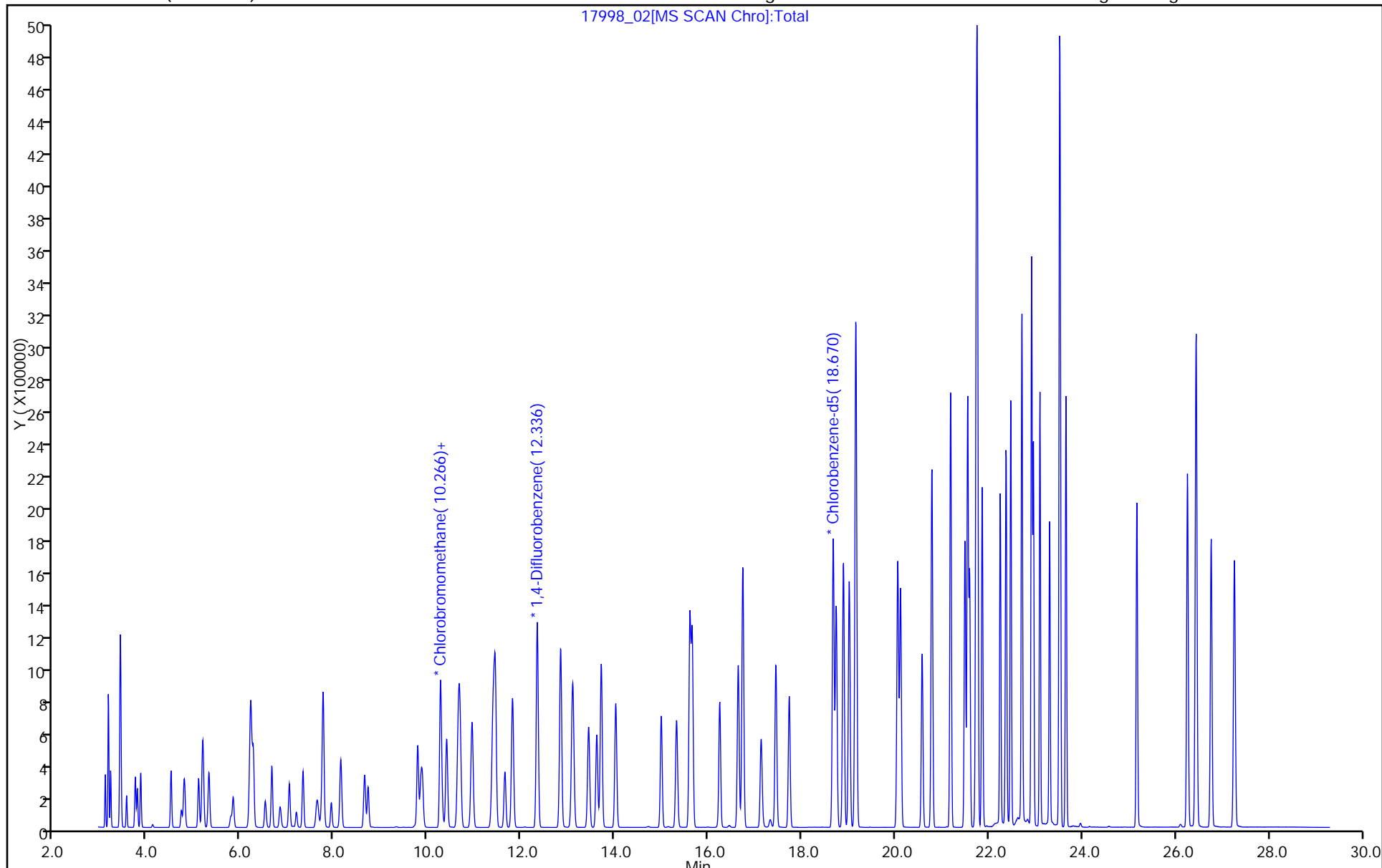
ALS Bottle#: 1

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



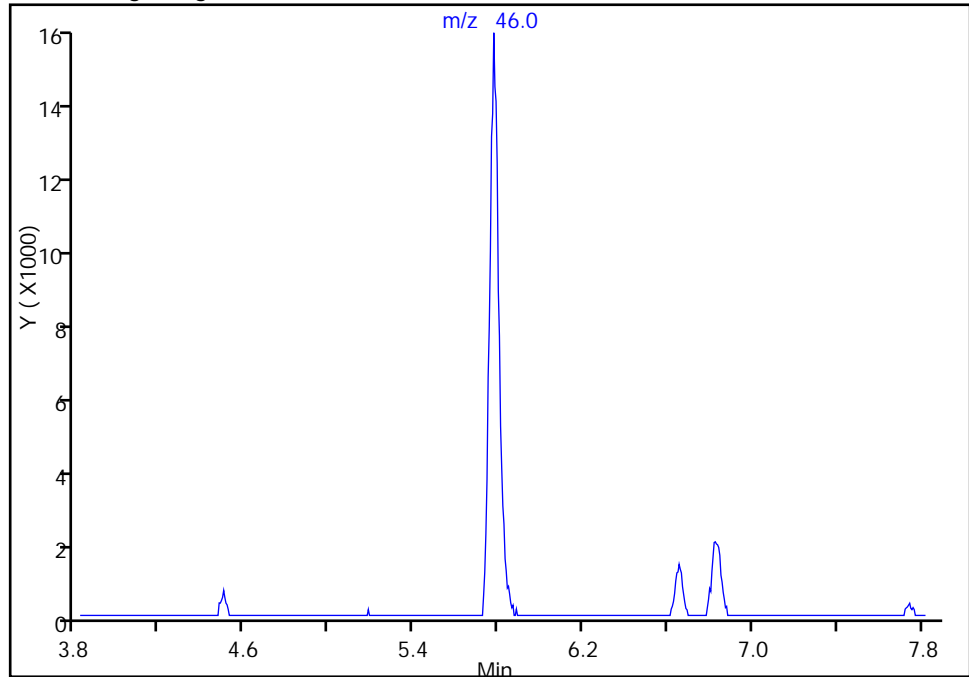
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_02.D
Injection Date: 26-Jan-2016 11:22:30 Instrument ID: CHX.i
Lims ID: ccvis
Client ID:
Operator ID: ggg ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

15 Ethanol, CAS: 64-17-5

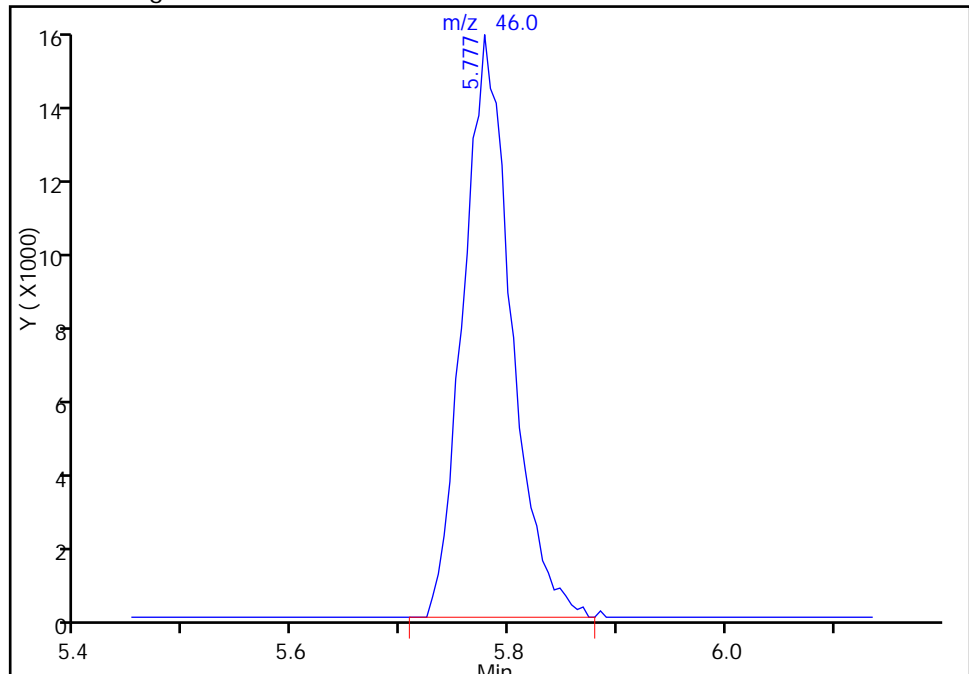
RT: 5.82
Area: 0
Amount: 11.930090
Amount Units: ppb v/v

Processing Integration Results



RT: 5.78
Area: 48069
Amount: 12.751576
Amount Units: ppb v/v

Manual Integration Results



Reviewer: guazzonig, 26-Jan-2016 12:23:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

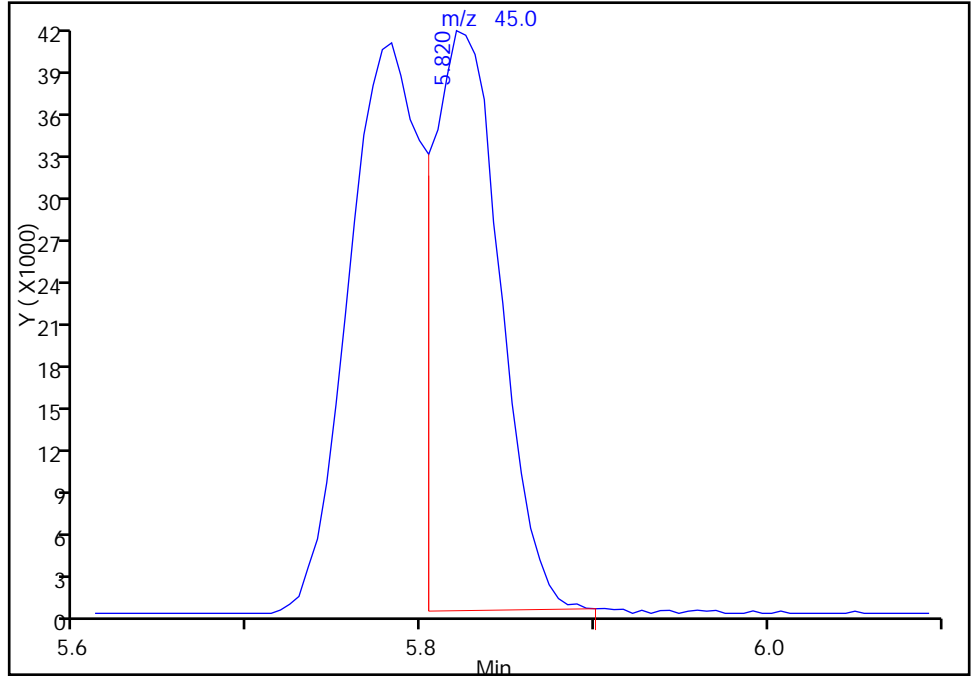
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_02.D
Injection Date: 26-Jan-2016 11:22:30 Instrument ID: CHX.i
Lims ID: ccvis
Client ID:
Operator ID: ggg ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

15 Ethanol, CAS: 64-17-5

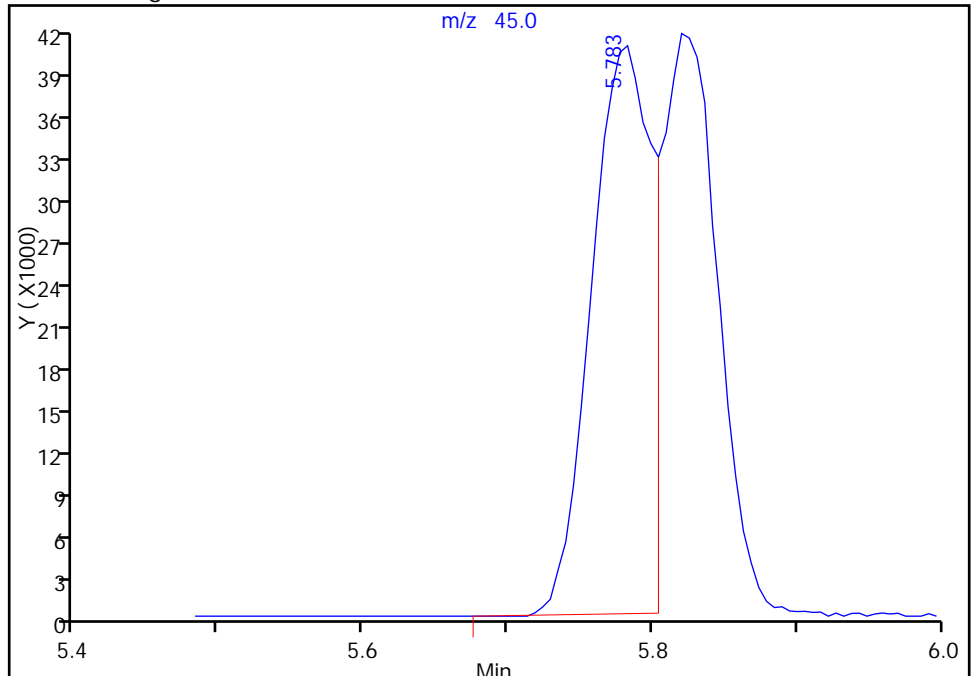
RT: 5.82
Area: 112550
Amount: 11.930090
Amount Units: ppb v/v

Processing Integration Results



RT: 5.78
Area: 120300
Amount: 12.751576
Amount Units: ppb v/v

Manual Integration Results



Reviewer: guazzonig, 26-Jan-2016 12:23:36
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 18-Jan-2016 16:04:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017836-001
 Misc. Info.: bfb
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Jan-2016 10:55:28 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep Date: 18-Jan-2016 16:21:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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9 BFB									
* 40 Chlorobromomethane	128		9.942				10.0	ND	
* 50 1,4-Difluorobenzene	114		11.922				10.0	ND	
* 74 Chlorobenzene-d5	117		18.058				10.0	ND	
* 83 4-Bromofluorobenzene	95		20.508				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

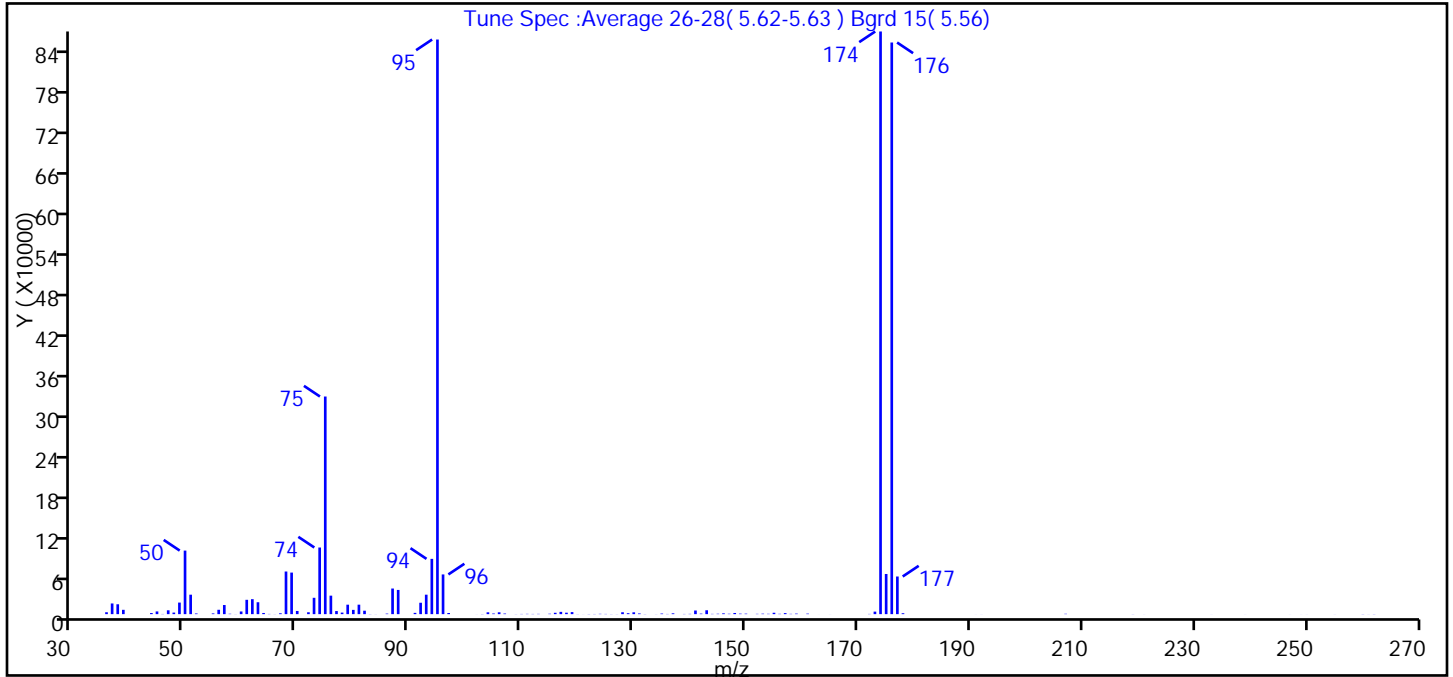
Reagents:

ATTO15GIS_00011 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_01.D
 Injection Date: 18-Jan-2016 16:04:30 Instrument ID: CHG.i
 Lims ID: bfb
 Client ID:
 Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
 Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	11.1
75	30.0 to 66.0 Percent of m/e 95	37.9
96	5.0 to 9.0 Percent of m/e 95	6.9
173	Less than 2.0 Percent of m/e 174	0.4 (0.4)
174	50.0 to 120.0 Percent of m/e 95	101.4
175	4.0 to 9.0 Percent of m/e 174	7.0 (6.9)
176	93.0 to 101.0 Percent of m/e 174	99.5 (98.1)
177	5.0 to 9.0 Percent of m/e 176	6.6 (6.6)

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_01.D\TO15_MasterMethod_(v1)_G.rs
 Injection Date: 18-Jan-2016 16:04:30
 Spectrum: Tune Spec :Average 26-28(5.62-5.63) Bgrd 15(5.56)
 Base Peak: 174.00
 Minimum % Base Peak: 0
 Number of Points: 133

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2818	75.00	322176	118.00	2158	155.00	2052
37.00	15813	76.00	27368	119.00	3020	156.00	469
38.00	14623	77.00	4575	120.00	135	157.00	1530
39.00	6400	78.00	2290	121.00	63	158.00	426
40.00	28	79.00	14001	122.00	222	159.00	783
43.00	4	80.00	6310	123.00	244	161.00	762
44.00	1650	81.00	14021	124.00	459	163.00	31
45.00	4004	82.00	5077	125.00	318	165.00	58
46.00	278	83.00	186	126.00	157	172.00	330
47.00	5681	84.00	106	127.00	133	173.00	3732
48.00	2313	86.00	789	128.00	2798	174.00	862592
49.00	17128	87.00	37928	129.00	1401	175.00	59448
50.00	94080	88.00	35832	130.00	2705	176.00	846272
51.00	28808	91.00	1880	131.00	1017	177.00	55728
52.00	984	92.00	16872	132.00	192	178.00	1355
55.00	1081	93.00	28800	134.00	115	179.00	17
56.00	6469	94.00	81840	135.00	884	191.00	47
57.00	13506	95.00	850688	136.00	288	192.00	67
58.00	567	96.00	58792	137.00	1212	207.00	522
59.00	113	97.00	1700	139.00	286	209.00	4
60.00	3949	102.00	60	140.00	403	219.00	136
61.00	21216	103.00	206	141.00	5365	221.00	59
62.00	22168	104.00	2729	142.00	779	233.00	52
63.00	17632	105.00	947	143.00	5732	239.00	52
64.00	1734	106.00	2736	144.00	385	247.00	50
65.00	311	107.00	903	145.00	585	249.00	45
66.00	129	109.00	142	146.00	1181	250.00	51
67.00	1261	110.00	296	147.00	570	255.00	78
68.00	63120	111.00	422	148.00	1712	260.00	194
69.00	61528	112.00	298	149.00	734	261.00	84
70.00	4681	113.00	403	150.00	718	262.00	186
72.00	2785	115.00	597	152.00	442		
73.00	24200	116.00	2021	153.00	701		

Report Date: 19-Jan-2016 10:55:29

Chrom Revision: 2.2 02-Dec-2015 11:51:48

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_01.D\TO15_MasterMethod_(v1)_G.r

Injection Date: 18-Jan-2016 16:04:30

Spectrum: Tune Spec :Average 26-28(5.62-5.63) Bgrd 15(5.56)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 133

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	98656	117.00	3370	154.00	498		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 22-Jan-2016 11:17:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017944-001
 Misc. Info.: bfb
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2016 12:39:59 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: guazzonig Date: 23-Jan-2016 12:39:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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9 BFB									
* 40 Chlorobromomethane	128		9.937				10.0	ND	
* 50 1,4-Difluorobenzene	114		11.916				10.0	ND	
* 74 Chlorobenzene-d5	117		18.053				10.0	ND	
* 83 4-Bromofluorobenzene	95		20.503				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

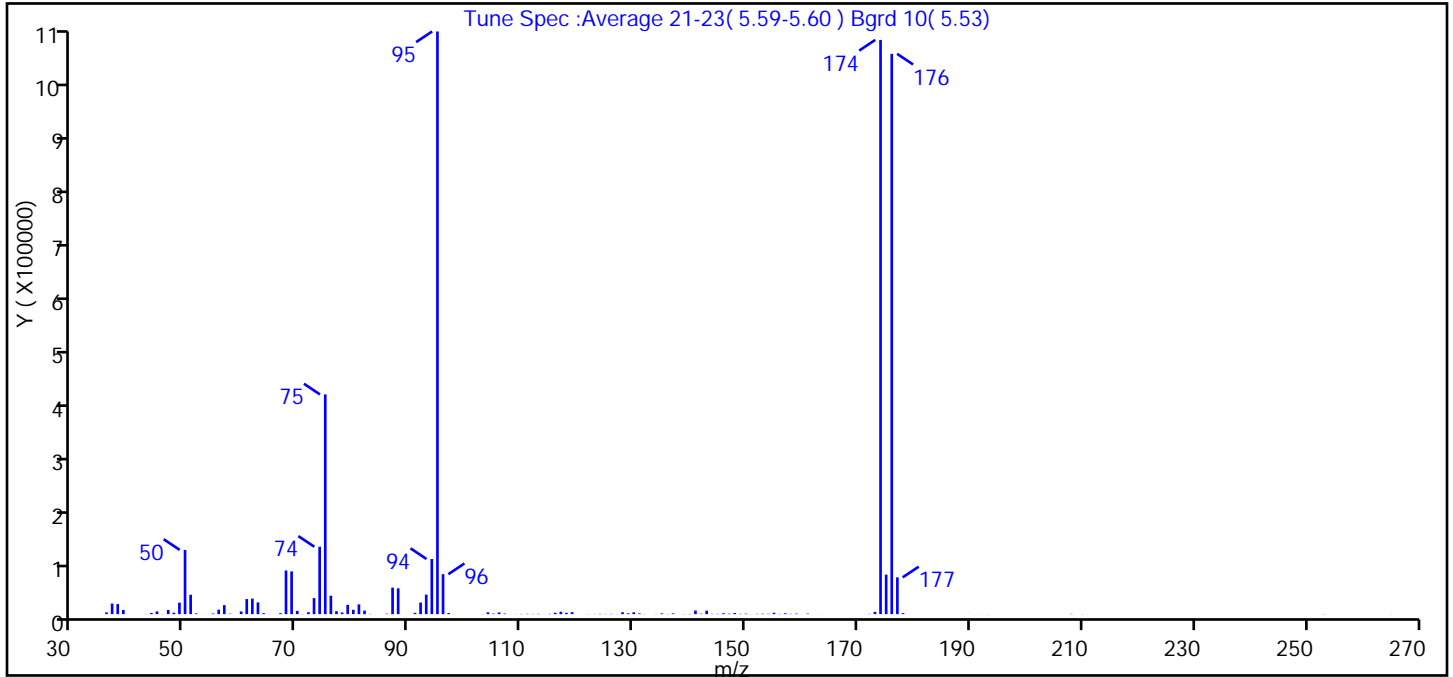
Reagents:

ATTO15GIS_00011 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_01.D
 Injection Date: 22-Jan-2016 11:17:30 Instrument ID: CHG.i
 Lims ID: bfb
 Client ID:
 Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
 Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	11.0
75	30.0 to 66.0 Percent of m/e 95	37.7
96	5.0 to 9.0 Percent of m/e 95	6.9
173	Less than 2.0 Percent of m/e 174	0.4 (0.4)
174	50.0 to 120.0 Percent of m/e 95	98.6
175	4.0 to 9.0 Percent of m/e 174	6.8 (6.9)
176	93.0 to 101.0 Percent of m/e 174	96.2 (97.6)
177	5.0 to 9.0 Percent of m/e 176	6.3 (6.6)

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_01.D\TO15_MasterMethod_(v1)_G.rs
Injection Date: 22-Jan-2016 11:17:30
Spectrum: Tune Spec :Average 21-23(5.59-5.60) Bgrd 10(5.53)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 136

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3340	74.00	126608	116.00	2606	154.00	718
37.00	19976	75.00	412800	117.00	4600	155.00	2597
38.00	18944	76.00	34616	118.00	2557	156.00	419
39.00	7799	77.00	5622	119.00	3800	157.00	1641
40.00	89	78.00	3178	122.00	215	158.00	532
43.00	203	79.00	17472	123.00	328	159.00	978
44.00	2344	80.00	8130	124.00	551	160.00	64
45.00	5092	81.00	18352	125.00	348	161.00	950
46.00	299	82.00	6671	126.00	427	163.00	166
47.00	7979	83.00	418	127.00	163	166.00	53
48.00	2760	84.00	52	128.00	3572	169.00	50
49.00	21624	86.00	868	129.00	1596	170.00	51
50.00	120672	87.00	49848	130.00	3547	172.00	499
51.00	36440	88.00	48536	131.00	1341	173.00	4340
52.00	1381	91.00	2442	132.00	216	174.00	1078784
53.00	102	92.00	21792	134.00	230	175.00	74248
55.00	1246	93.00	36696	135.00	1461	176.00	1052672
56.00	8415	94.00	103592	136.00	318	177.00	69136
57.00	16984	95.00	1094656	137.00	1443	178.00	1967
58.00	762	96.00	75080	139.00	270	179.00	22
60.00	5042	97.00	2046	140.00	453	187.00	50
61.00	28360	98.00	62	141.00	6804	190.00	56
62.00	29184	103.00	305	142.00	840	191.00	193
63.00	22128	104.00	3480	143.00	6583	192.00	53
64.00	1795	105.00	1074	144.00	486	193.00	169
65.00	139	106.00	3162	145.00	550	195.00	63
66.00	58	107.00	1084	146.00	1639	207.00	17
67.00	1710	109.00	192	147.00	872	208.00	531
68.00	81968	110.00	442	148.00	2124	210.00	231
69.00	80288	111.00	658	149.00	627	253.00	351
70.00	6175	112.00	393	150.00	989	254.00	6
71.00	243	113.00	560	151.00	117	261.00	26
72.00	3567	114.00	62	152.00	592	262.00	52

Report Date: 23-Jan-2016 12:40:00

Chrom Revision: 2.2 02-Dec-2015 11:51:48

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_01.D\TO15_MasterMethod_(v1)_G.r

Injection Date: 22-Jan-2016 11:17:30

Spectrum: Tune Spec :Average 21-23(5.59-5.60) Bgrd 10(5.53)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 136

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	30064	115.00	596	153.00	854	265.00	161

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 02-Dec-2015 15:20:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017105-001
 Misc. Info.: bfb
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 02-Dec-2015 15:48:31 Calib Date: 17-Aug-2015 23:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK035

First Level Reviewer: desjardinsb Date: 02-Dec-2015 15:48:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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\$ 19 BFB									
* 40 Chlorobromomethane	128		10.512				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.507				10.0	ND	
* 73 Chlorobenzene-d5	117		18.606				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

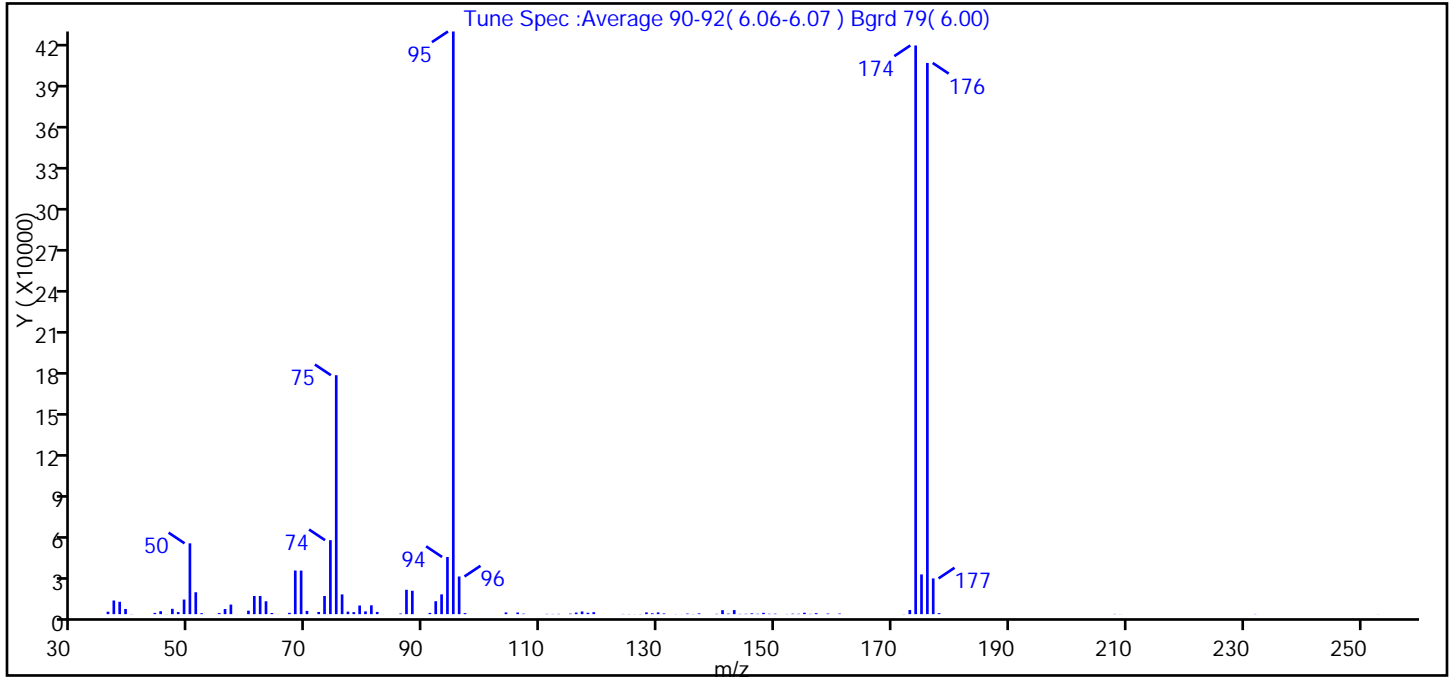
Reagents:

ATTO15GIS_00013 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_01.D
 Injection Date: 02-Dec-2015 15:20:30 Instrument ID: CHX.i
 Lims ID: bfb
 Client ID:
 Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
 Tune Method: BFB Method TO-15

\$ 19 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	12.2
75	30.0 to 66.0 Percent of m/e 95	41.0
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.7 (0.7)
174	50.0 to 120.0 Percent of m/e 95	97.6
175	4.0 to 9.0 Percent of m/e 174	6.8 (7.0)
176	93.0 to 101.0 Percent of m/e 174	94.6 (96.9)
177	5.0 to 9.0 Percent of m/e 176	6.1 (6.5)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_01.D\TO15_LLNJ_TO3_CHX.i.m.rsl\T
Injection Date: 02-Dec-2015 15:20:30
Spectrum: Tune Spec :Average 90-92(6.06-6.07) Bgrd 79(6.00)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1811	69.00	32048	107.00	325	144.00	211
37.00	10050	70.00	2389	111.00	213	145.00	262
38.00	9093	72.00	1603	112.00	141	146.00	585
39.00	3826	73.00	13372	113.00	210	147.00	279
40.00	115	74.00	54448	115.00	389	148.00	980
44.00	937	75.00	175872	116.00	1184	149.00	254
45.00	2174	76.00	14531	117.00	1964	150.00	344
46.00	71	77.00	1852	118.00	1025	152.00	140
47.00	3922	78.00	1495	119.00	1458	153.00	353
48.00	1538	79.00	6351	124.00	145	154.00	279
49.00	10753	80.00	2033	125.00	127	155.00	1043
50.00	52120	81.00	6503	126.00	73	156.00	197
51.00	16120	82.00	1626	127.00	118	157.00	752
52.00	704	83.00	57	128.00	1303	159.00	445
55.00	774	86.00	462	129.00	663	161.00	414
56.00	3757	87.00	17936	130.00	1287	172.00	112
57.00	7039	88.00	17224	131.00	515	173.00	3054
58.00	48	91.00	928	133.00	89	174.00	418560
60.00	2558	92.00	9516	134.00	51	175.00	29240
61.00	13354	93.00	14551	135.00	409	176.00	405696
62.00	13372	94.00	42064	136.00	115	177.00	26296
63.00	9475	95.00	428864	137.00	575	178.00	761
64.00	847	96.00	27712	140.00	234	208.00	157
65.00	62	97.00	781	141.00	2920	209.00	61
67.00	956	104.00	1248	142.00	407	232.00	142
68.00	32120	106.00	1204	143.00	2993	253.00	59

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 26-Jan-2016 10:23:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-001
 Misc. Info.: bfb
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:54 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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\$ 19 BFB

* 40 Chlorobromomethane	128		10.266				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.336				10.0	ND	
* 73 Chlorobenzene-d5	117		18.670				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

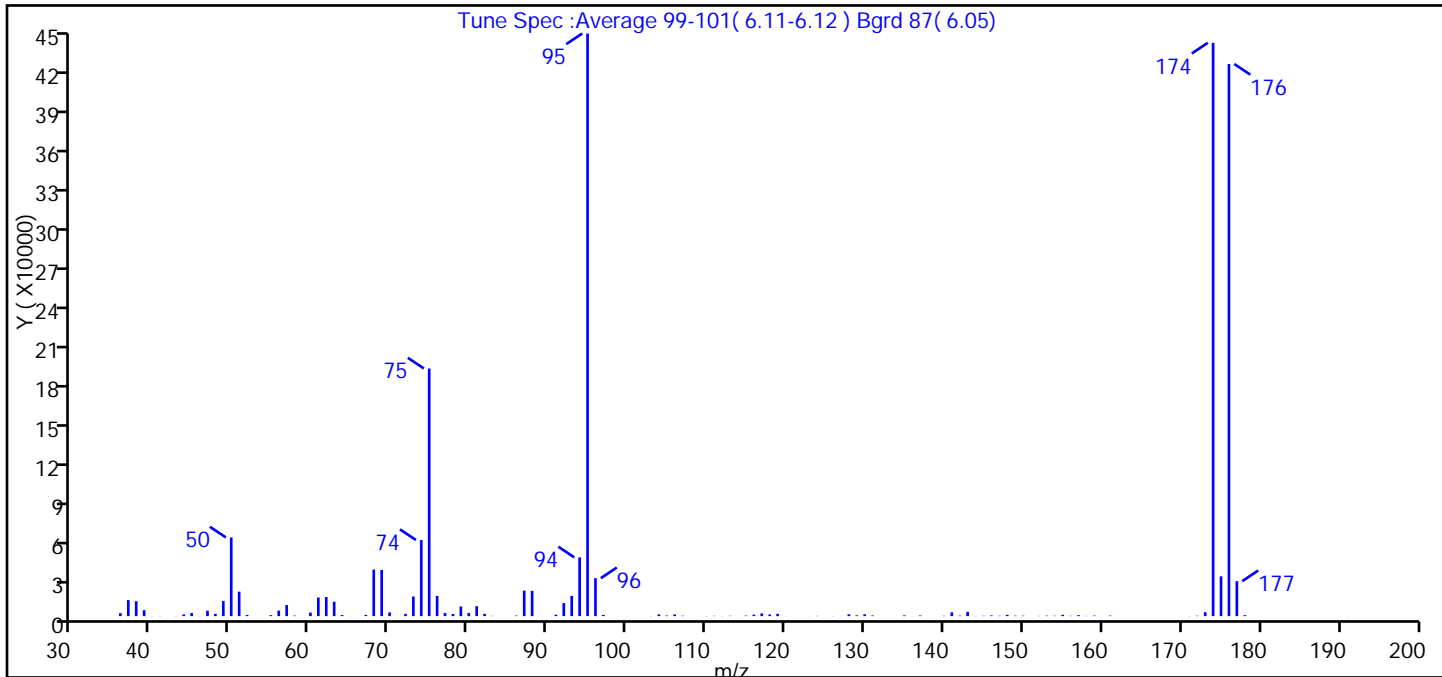
Reagents:

ATTO15GIS_00013 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_01.D
 Injection Date: 26-Jan-2016 10:23:30 Instrument ID: CHX.i
 Lims ID: bfb
 Client ID:
 Operator ID: ggg ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
 Tune Method: BFB Method TO-15

\$ 19 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	13.5
75	30.0 to 66.0 Percent of m/e 95	42.5
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.7 (0.7)
174	50.0 to 120.0 Percent of m/e 95	98.4
175	4.0 to 9.0 Percent of m/e 174	6.8 (6.9)
176	93.0 to 101.0 Percent of m/e 174	94.8 (96.3)
177	5.0 to 9.0 Percent of m/e 176	6.0 (6.3)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_01.D\TO15_LLNJ_TO3_CHX.i.m.rsl\
 Injection Date: 26-Jan-2016 10:23:30
 Spectrum: Tune Spec :Average 99-101(6.11-6.12) Bgrd 87(6.05)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2280	68.00	35712	105.00	489	142.00	387
37.00	12321	69.00	35440	106.00	1264	143.00	3273
38.00	11480	70.00	2867	107.00	325	144.00	135
39.00	4576	72.00	1736	110.00	125	145.00	296
40.00	131	73.00	15099	111.00	261	146.00	551
41.00	132	74.00	58424	112.00	133	147.00	286
43.00	112	75.00	190080	113.00	265	148.00	1016
44.00	1328	76.00	15564	115.00	437	149.00	383
45.00	2392	77.00	2385	116.00	1141	150.00	364
46.00	74	78.00	1643	117.00	2097	152.00	202
47.00	4198	79.00	7407	118.00	1273	153.00	376
48.00	1707	80.00	2377	119.00	1785	154.00	293
49.00	11561	81.00	7625	120.00	52	155.00	1015
50.00	60400	82.00	1785	123.00	59	156.00	268
51.00	18800	83.00	215	124.00	209	157.00	750
52.00	933	86.00	449	126.00	135	158.00	170
55.00	771	87.00	19584	127.00	57	159.00	398
56.00	4272	88.00	19424	128.00	1479	161.00	423
57.00	8514	91.00	1130	129.00	621	171.00	118
58.00	406	92.00	10052	130.00	1408	172.00	323
60.00	2746	93.00	15543	131.00	508	173.00	3012
61.00	14285	94.00	45096	135.00	611	174.00	440000
62.00	14641	95.00	447168	136.00	50	175.00	30560
63.00	11095	96.00	29128	137.00	515	176.00	423744
64.00	838	97.00	911	139.00	50	177.00	26840
65.00	61	103.00	116	140.00	267	178.00	761
67.00	984	104.00	1347	141.00	2955	191.00	50

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99877/4
 Matrix: Air Lab File ID: 17944_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	
75-45-6	Freon 22	86.47	0.50	U	0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	
74-87-3	Chloromethane	50.49	0.50	U	0.50	
106-97-8	n-Butane	58.12	0.50	U	0.50	
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	
74-83-9	Bromomethane	94.94	0.20	U	0.20	
75-00-3	Chloroethane	64.52	0.50	U	0.50	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	
76-13-1	Freon TF	187.38	0.20	U	0.20	
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	
67-64-1	Acetone	58.08	5.0	U	5.0	
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	
110-54-3	n-Hexane	86.17	0.20	U	0.20	
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	
67-66-3	Chloroform	119.38	0.20	U	0.20	
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	
110-82-7	Cyclohexane	84.16	0.20	U	0.20	
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	
71-43-2	Benzene	78.11	0.20	U	0.20	
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99877/4
 Matrix: Air Lab File ID: 17944_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.20	U	0.20
79-01-6	Trichloroethene	131.39	0.040	U	0.040
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50
108-88-3	Toluene	92.14	0.20	U	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20
100-41-4	Ethylbenzene	106.17	0.20	U	0.20
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50
95-47-6	Xylene, o-	106.17	0.20	U	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70
100-42-5	Styrene	104.15	0.20	U	0.20
75-25-2	Bromoform	252.75	0.20	U	0.20
98-82-8	Cumene	120.19	0.20	U	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99877/4
 Matrix: Air Lab File ID: 17944_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	
91-20-3	Naphthalene	128.17	0.50	U	0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99877/4
 Matrix: Air Lab File ID: 17944_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2
75-01-4	Vinyl chloride	62.50	0.10	U	0.10
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79
67-64-1	Acetone	58.08	12	U	12
67-63-0	Isopropyl alcohol	60.10	12	U	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79
110-54-3	n-Hexane	86.17	0.70	U	0.70
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6
67-66-3	Chloroform	119.38	0.98	U	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93
71-43-2	Benzene	78.11	0.64	U	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99877/4
 Matrix: Air Lab File ID: 17944_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200(mL) Date Analyzed: 01/22/2016 13:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99877/4
 Matrix: Air Lab File ID: 17944_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
91-20-3	Naphthalene	128.17	2.6	U	2.6	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Jan-2016 13:54:30 ALS Bottle#: 5 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017944-004
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Jan-2016 16:12:19 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: guazzonig

Date: 23-Jan-2016 12:48:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.747					ND	
2 Dichlorodifluoromethane	85		2.811					ND	
3 Chlorodifluoromethane	51		2.859					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.063					ND	
5 Chloromethane	50	3.191	3.180	0.011	94	790		0.0606	
6 Butane	43		3.384					ND	
7 Vinyl chloride	62		3.416					ND	
8 Butadiene	54		3.491					ND	
10 Bromomethane	94		4.133					ND	
11 Chloroethane	64		4.368					ND	
12 2-Methylbutane	43		4.475					ND	
13 Vinyl bromide	106		4.753					ND	
14 Trichlorofluoromethane	101		4.876					ND	
16 Pentane	43		5.031					ND	
17 Ethanol	45	5.497	5.443	0.054	12	482		0.1220	
18 Ethyl ether	59		5.556					ND	
19 Acrolein	56		5.882					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		5.973					ND	
21 1,1-Dichloroethene	96		5.984					ND	
22 Acetone	43	6.235	6.198	0.037	98	11331		0.7085	
23 Carbon disulfide	76		6.358					ND	
24 Isopropyl alcohol	45		6.545					ND	
25 3-Chloro-1-propene	41		6.770					ND	
26 Acetonitrile	41		6.840					ND	
27 Methylene Chloride	49	7.048	7.054	-0.006	53	2604		0.1711	M
28 2-Methyl-2-propanol	59		7.332					ND	
31 trans-1,2-Dichloroethene	61		7.519					ND	
29 Methyl tert-butyl ether	73		7.524					ND	
32 Acrylonitrile	53		7.615					ND	
33 Hexane	57		7.968					ND	
34 1,1-Dichloroethane	63		8.380					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		8.487					ND	
37 cis-1,2-Dichloroethene	96		9.488					ND	
38 2-Butanone (MEK)	72		9.536					ND	
39 Ethyl acetate	88		9.627					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
* 40 Chlorobromomethane	128	9.937	9.937	0.000	65	282880	10.0	10.0	
41 Tetrahydrofuran	42		9.985					ND	
42 Chloroform	83		10.087					ND	
44 1,1,1-Trichloroethane	97		10.370					ND	
43 Cyclohexane	84		10.376					ND	
45 Carbon tetrachloride	117		10.638					ND	
47 Benzene	78		11.071					ND	
46 Isooctane	57		11.125					ND	
48 1,2-Dichloroethane	62		11.221					ND	
49 n-Heptane	43		11.526					ND	
* 50 1,4-Difluorobenzene	114	11.916	11.916	0.000	91	1660509	10.0	10.0	
52 n-Butanol	56		12.334					ND	
53 Trichloroethene	95		12.387					ND	
A 51 GRO	1	12.810	(4.465-21.155)		0	547595		0	
54 1,2-Dichloropropane	63		12.895					ND	
55 Methyl methacrylate	69		13.120					ND	
57 Dibromomethane	174		13.141					ND	
56 1,4-Dioxane	88		13.152					ND	
58 Dichlorobromomethane	83		13.457					ND	
60 cis-1,3-Dichloropropene	75		14.431					ND	
A 59 TVOC as Toluene	92	14.476	(2.737-26.215)		0	611850		0	
61 4-Methyl-2-pentanone (MIBK)	43		14.757					ND	
65 Toluene	92		15.073					ND	
64 n-Octane	43		15.233					ND	
66 trans-1,3-Dichloropropene	75		15.672					ND	
67 1,1,2-Trichloroethane	83		16.046					ND	
68 Tetrachloroethene	166		16.223					ND	
69 2-Hexanone	43		16.549					ND	
71 Chlorodibromomethane	129		16.833					ND	
72 Ethylene Dibromide	107		17.100					ND	
* 74 Chlorobenzene-d5	117	18.052	18.053	0.000	80	2500129	10.0	10.0	
75 Chlorobenzene	112		18.111					ND	
76 Ethylbenzene	91		18.293					ND	
77 n-Nonane	57		18.507					ND	
78 m-Xylene & p-Xylene	106		18.550					ND	
79 o-Xylene	106		19.395					ND	
80 Styrene	104		19.443					ND	
S 73 Xylenes, Total	106		19.600					ND	
81 Bromoform	173		19.850					ND	
82 Isopropylbenzene	105		20.139					ND	
84 1,1,2,2-Tetrachloroethane	83		20.781					ND	
86 1,2,3-Trichloropropane	75		20.872					ND	
85 N-Propylbenzene	91		20.899					ND	
89 2-Chlorotoluene	91		21.086					ND	
88 4-Ethyltoluene	105		21.102					ND	
87 n-Decane	57		21.145					ND	
90 1,3,5-Trimethylbenzene	105		21.214					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	21.594	21.583	0.011	6	1053		0.008997	
92 tert-Butylbenzene	119		21.717					ND	
93 1,2,4-Trimethylbenzene	105	21.813	21.813	0.000	91	3473		0.0146	
94 sec-Butylbenzene	105		22.054					ND	
95 4-Isopropyltoluene	119	22.263	22.263	0.000	91	2922		0.0103	
96 1,3-Dichlorobenzene	146	22.273	22.268	0.005	93	3496		0.0185	
97 1,4-Dichlorobenzene	146	22.407	22.402	0.005	94	4253		0.0210	
98 Benzyl chloride	91	22.600	22.589	0.011	96	3685		0.0220	
100 n-Butylbenzene	91	22.835	22.830	0.005	96	5162		0.0215	
99 Undecane	57		22.899					ND	
101 1,2-Dichlorobenzene	146	22.921	22.921	0.000	97	4401		0.0233	
102 Dodecane	57		24.424					ND	
103 1,2,4-Trichlorobenzene	180	25.317	25.317	0.000	92	9570		0.0698	
104 Hexachlorobutadiene	225		25.526					ND	
105 Naphthalene	128	25.756	25.751	0.005	99	17112		0.0626	
106 1,2,3-Trichlorobenzene	180	26.205	26.205	0.000	95	8959		0.0675	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 36 Methyl cyclohexane TIC	55		0.000					ND	
T 15 Methyl Acetate TIC	43		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_04.D

Injection Date: 22-Jan-2016 13:54:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

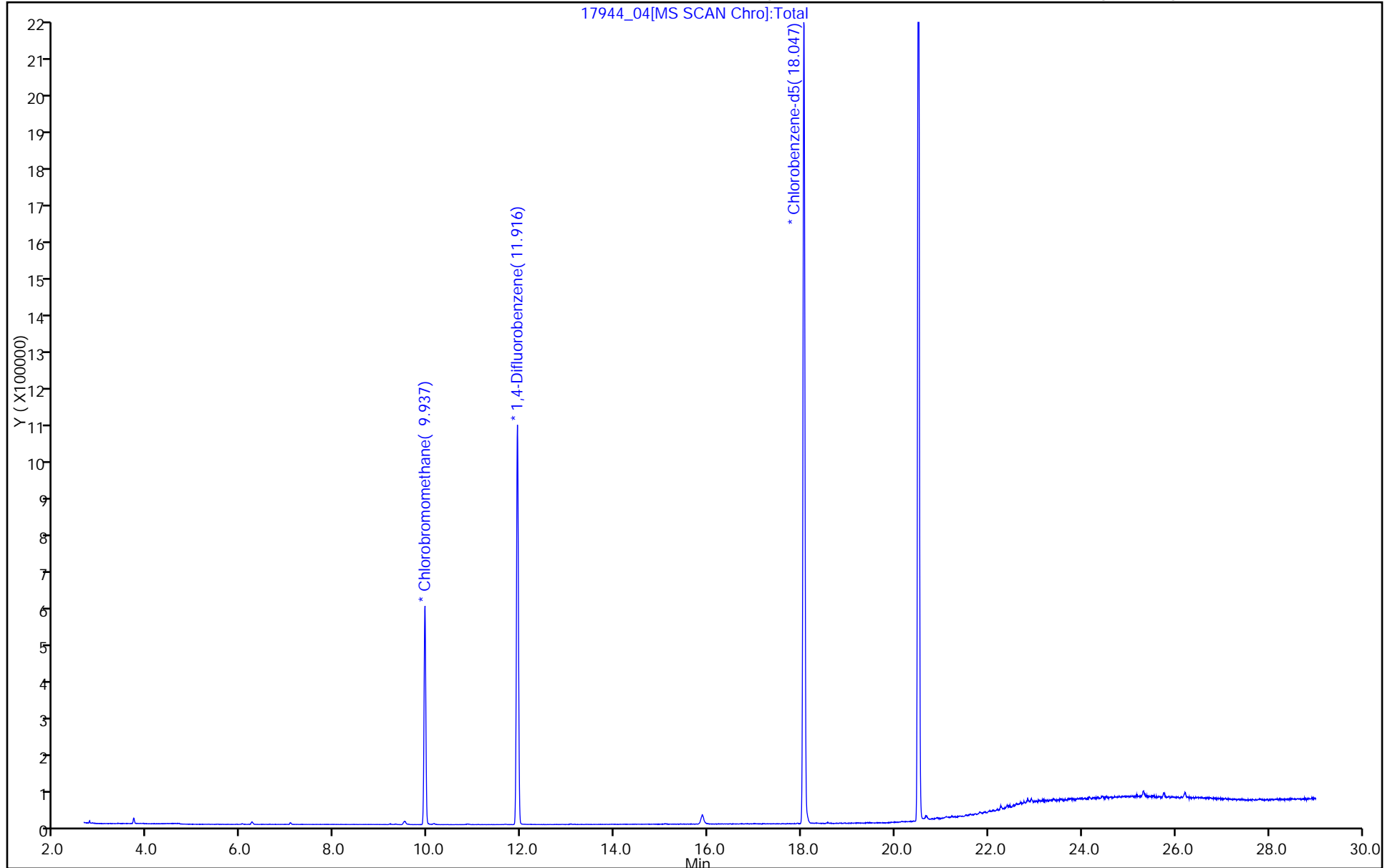
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



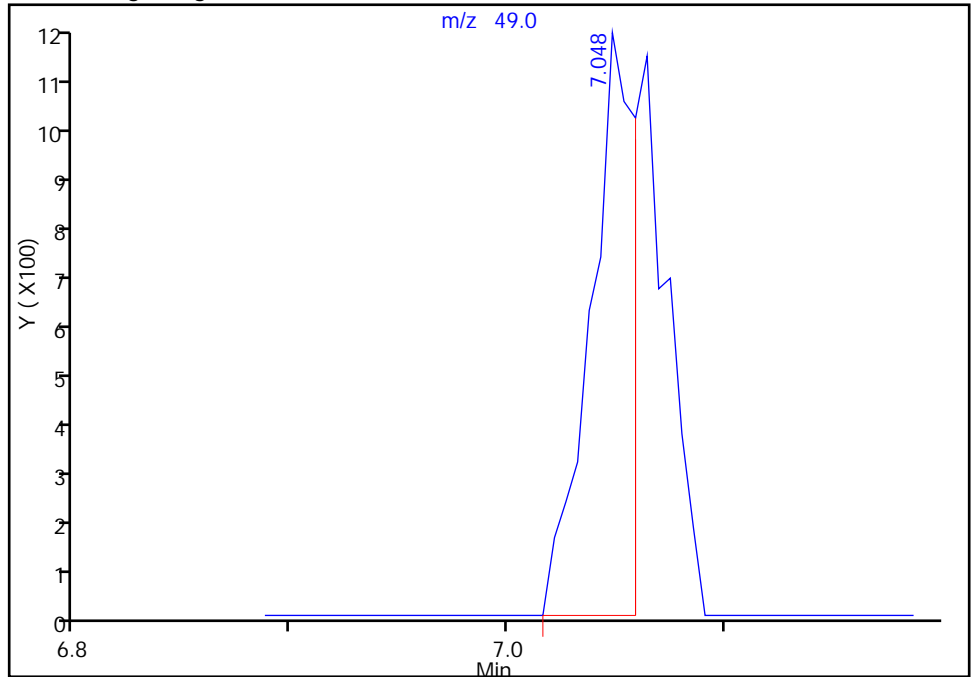
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_04.D
Injection Date: 22-Jan-2016 13:54:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

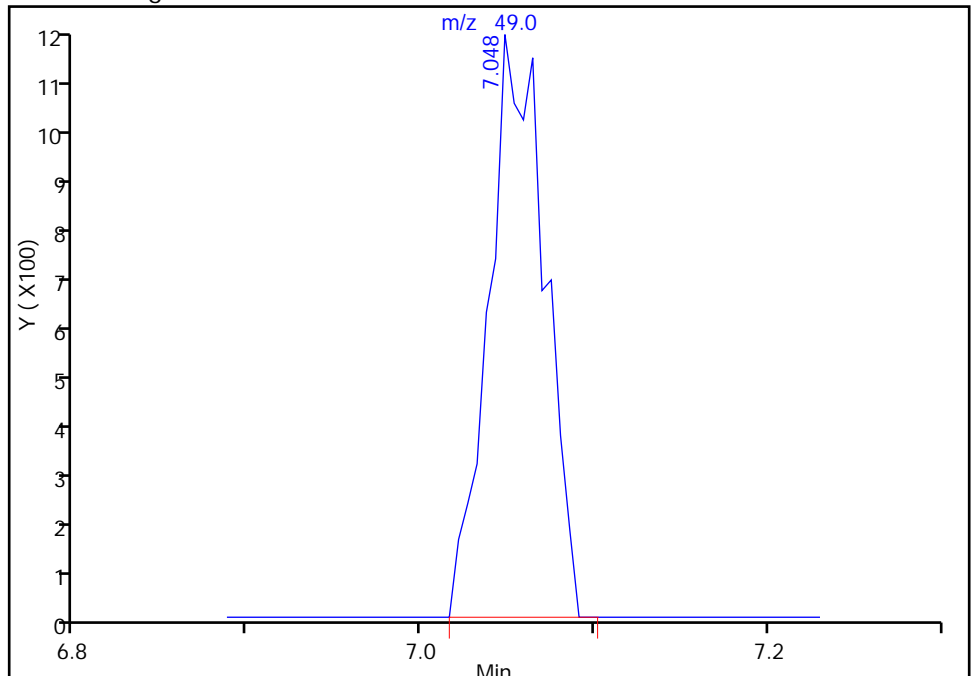
RT: 7.05
Area: 1655
Amount: 0.108769
Amount Units: ppb v/v

Processing Integration Results



RT: 7.05
Area: 2604
Amount: 0.171138
Amount Units: ppb v/v

Manual Integration Results



Reviewer: guazzonig, 23-Jan-2016 12:48:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99999/4
 Matrix: Air Lab File ID: 17998_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 13:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	
75-45-6	Freon 22	86.47	0.50	U	0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	
74-87-3	Chloromethane	50.49	0.50	U	0.50	
106-97-8	n-Butane	58.12	0.50	U	0.50	
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	
74-83-9	Bromomethane	94.94	0.20	U	0.20	
75-00-3	Chloroethane	64.52	0.50	U	0.50	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	
76-13-1	Freon TF	187.38	0.20	U	0.20	
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	
67-64-1	Acetone	58.08	5.0	U	5.0	
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	
110-54-3	n-Hexane	86.17	0.20	U	0.20	
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	
67-66-3	Chloroform	119.38	0.20	U	0.20	
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	
110-82-7	Cyclohexane	84.16	0.20	U	0.20	
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.040	
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	
71-43-2	Benzene	78.11	0.20	U	0.20	
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99999/4
 Matrix: Air Lab File ID: 17998_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 13:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.20	U	0.20
79-01-6	Trichloroethene	131.39	0.040	U	0.040
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50
108-88-3	Toluene	92.14	0.20	U	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20
100-41-4	Ethylbenzene	106.17	0.20	U	0.20
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50
95-47-6	Xylene, o-	106.17	0.20	U	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70
100-42-5	Styrene	104.15	0.20	U	0.20
75-25-2	Bromoform	252.75	0.20	U	0.20
98-82-8	Cumene	120.19	0.20	U	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99999/4
 Matrix: Air Lab File ID: 17998_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 13:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	
91-20-3	Naphthalene	128.17	0.50	U	0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99999/4
 Matrix: Air Lab File ID: 17998_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 13:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
75-45-6	Freon 22	86.47	1.8	U	1.8	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
74-87-3	Chloromethane	50.49	1.0	U	1.0	
106-97-8	n-Butane	58.12	1.2	U	1.2	
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	
76-13-1	Freon TF	187.38	1.5	U	1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-64-1	Acetone	58.08	12	U	12	
67-63-0	Isopropyl alcohol	60.10	12	U	12	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	
75-65-0	tert-Butyl alcohol	74.12	15	U	15	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
110-54-3	n-Hexane	86.17	0.70	U	0.70	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	
67-66-3	Chloroform	119.38	0.98	U	0.98	
109-99-9	Tetrahydrofuran	72.11	15	U	15	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69	U	0.69	
56-23-5	Carbon tetrachloride	153.81	0.25	U	0.25	
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	
71-43-2	Benzene	78.11	0.64	U	0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99999/4
 Matrix: Air Lab File ID: 17998_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200(mL) Date Analyzed: 01/26/2016 13:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	0.82	U	0.82
79-01-6	Trichloroethene	131.39	0.21	U	0.21
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0
108-88-3	Toluene	92.14	0.75	U	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0
100-42-5	Styrene	104.15	0.85	U	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1
98-82-8	Cumene	120.19	0.98	U	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: MB 200-99999/4
 Matrix: Air Lab File ID: 17998_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 13:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
91-20-3	Naphthalene	128.17	2.6	U	2.6	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 26-Jan-2016 13:02:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-004
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:58 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 27-Jan-2016 10:47:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.092					ND	
2 Dichlorodifluoromethane	85		3.156					ND	
3 Chlorodifluoromethane	51		3.204					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.413					ND	
5 Chloromethane	50		3.547					ND	
6 Butane	43		3.734					ND	
7 Vinyl chloride	62		3.777					ND	
8 Butadiene	54		3.852					ND	
9 Bromomethane	94		4.499					ND	
10 Chloroethane	64		4.718					ND	
11 2-Methylbutane	43		4.782					ND	
12 Vinyl bromide	106		5.087					ND	
13 Trichlorofluoromethane	101		5.178					ND	
14 Pentane	43		5.307					ND	
15 Ethanol	45		5.783					ND	
16 Ethyl ether	59		5.831					ND	
17 Acrolein	56		6.205					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.205					ND	
20 1,1-Dichloroethene	96		6.259					ND	
21 Acetone	43		6.516					ND	
22 Carbon disulfide	76		6.655					ND	
23 Isopropyl alcohol	45		6.831					ND	
24 3-Chloro-1-propene	41		7.029					ND	
25 Acetonitrile	41		7.179					ND	
26 Methylene Chloride	49	7.334	7.323	0.011	87	3926		0.1429	
T 27 Methyl Acetate TIC	43		7.568					ND	
28 2-Methyl-2-propanol	59		7.628					ND	
29 Methyl tert-butyl ether	73		7.746					ND	
30 trans-1,2-Dichloroethene	61		7.751					ND	
31 Acrylonitrile	53		7.928					ND	
32 Hexane	57		8.131					ND	
33 1,1-Dichloroethane	63		8.639					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		8.714					ND	
35 cis-1,2-Dichloroethene	96		9.779					ND	
36 2-Butanone (MEK)	72		9.843					ND	
37 Ethyl acetate	88		9.881					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	77	341929	10.0	10.0	
39 Tetrahydrofuran	42		10.282					ND	
41 Chloroform	83		10.400					ND	
42 Cyclohexane	84		10.646					ND	
43 1,1,1-Trichloroethane	97		10.683					ND	
44 Carbon tetrachloride	117		10.940					ND	
45 Isooctane	57		11.395					ND	
46 Benzene	78		11.437					ND	
47 1,2-Dichloroethane	62		11.646					ND	
48 n-Heptane	43		11.807					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.342	12.336	0.006	95	2041820	10.0	10.0	
51 n-Butanol	56		12.818					ND	
52 Trichloroethene	95		12.834					ND	
53 1,2-Dichloropropane	63		13.433					ND	
54 Methyl methacrylate	69		13.609					ND	
55 1,4-Dioxane	88		13.690					ND	
56 Dibromomethane	174		13.706					ND	
57 Dichlorobromomethane	83		14.016					ND	
58 cis-1,3-Dichloropropene	75		14.990					ND	
A 60 TVOC as Toluene	1	15.252	(3.054-27.449)		0	5392905		47.0	
A 59 Total Hydrocarbons	1	15.252	(3.054-27.449)		0	5392905		NC	
61 4-Methyl-2-pentanone (MIBK)	43		15.316					ND	
62 Toluene	92		15.605					ND	
A 65 GRO	1	15.653	(15.653-15.653)		0	5517		0	
66 n-Octane	43		15.653					ND	
67 trans-1,3-Dichloropropene	75		16.241					ND	
68 1,1,2-Trichloroethane	83		16.637					ND	
69 Tetrachloroethene	166		16.734					ND	
70 2-Hexanone	43		17.129					ND	
71 Chlorodibromomethane	129		17.440					ND	
72 Ethylene Dibromide	107		17.729					ND	
* 73 Chlorobenzene-d5	117	18.670	18.670	0.000	82	1875679	10.0	10.0	
74 Chlorobenzene	112		18.734					ND	
75 Ethylbenzene	91		18.890					ND	
76 n-Nonane	57		19.013					ND	
77 m-Xylene & p-Xylene	106	19.157	19.157	0.000	0	651		0.006921	
S 80 Xylenes, Total	106		20.000					ND	
78 o-Xylene	106		20.050					ND	
79 Styrene	104		20.109					ND	
81 Bromoform	173		20.575					ND	
82 Isopropylbenzene	105		20.783					ND	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					ND	
85 1,1,2,2-Tetrachloroethane	83		21.489					ND	
86 N-Propylbenzene	91		21.548					ND	
87 1,2,3-Trichloropropane	75		21.591					ND	
88 n-Decane	57		21.725					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 4-Ethyltoluene	105		21.746					ND	
90 2-Chlorotoluene	91		21.757					ND	
91 1,3,5-Trimethylbenzene	105		21.859					ND	
92 Alpha Methyl Styrene	118		22.244					ND	
93 tert-Butylbenzene	119		22.367					ND	
94 1,2,4-Trimethylbenzene	105		22.468					ND	
95 sec-Butylbenzene	105		22.709					ND	
96 4-Isopropyltoluene	119		22.918					ND	
97 1,3-Dichlorobenzene	146	22.961	22.955	0.006	90	1335		0.008508	
98 1,4-Dichlorobenzene	146	23.100	23.094	0.006	91	1468		0.009248	
99 Benzyl chloride	91	23.517	23.303	0.214	84	731		0.004569	
101 n-Butylbenzene	91		23.512					ND	
100 Undecane	57		23.528					ND	
102 1,2-Dichlorobenzene	146	23.656	23.651	0.005	84	1700		0.0116	
103 Dodecane	57		25.170					ND	
104 1,2,4-Trichlorobenzene	180	26.256	26.251	0.005	90	2165		0.0181	
105 Hexachlorobutadiene	225		26.438					ND	
106 Naphthalene	128	26.764	26.759	0.005	97	4147		0.0170	
107 1,2,3-Trichlorobenzene	180	27.262	27.256	0.006	91	2095		0.0210	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_04.D

Injection Date: 26-Jan-2016 13:02:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

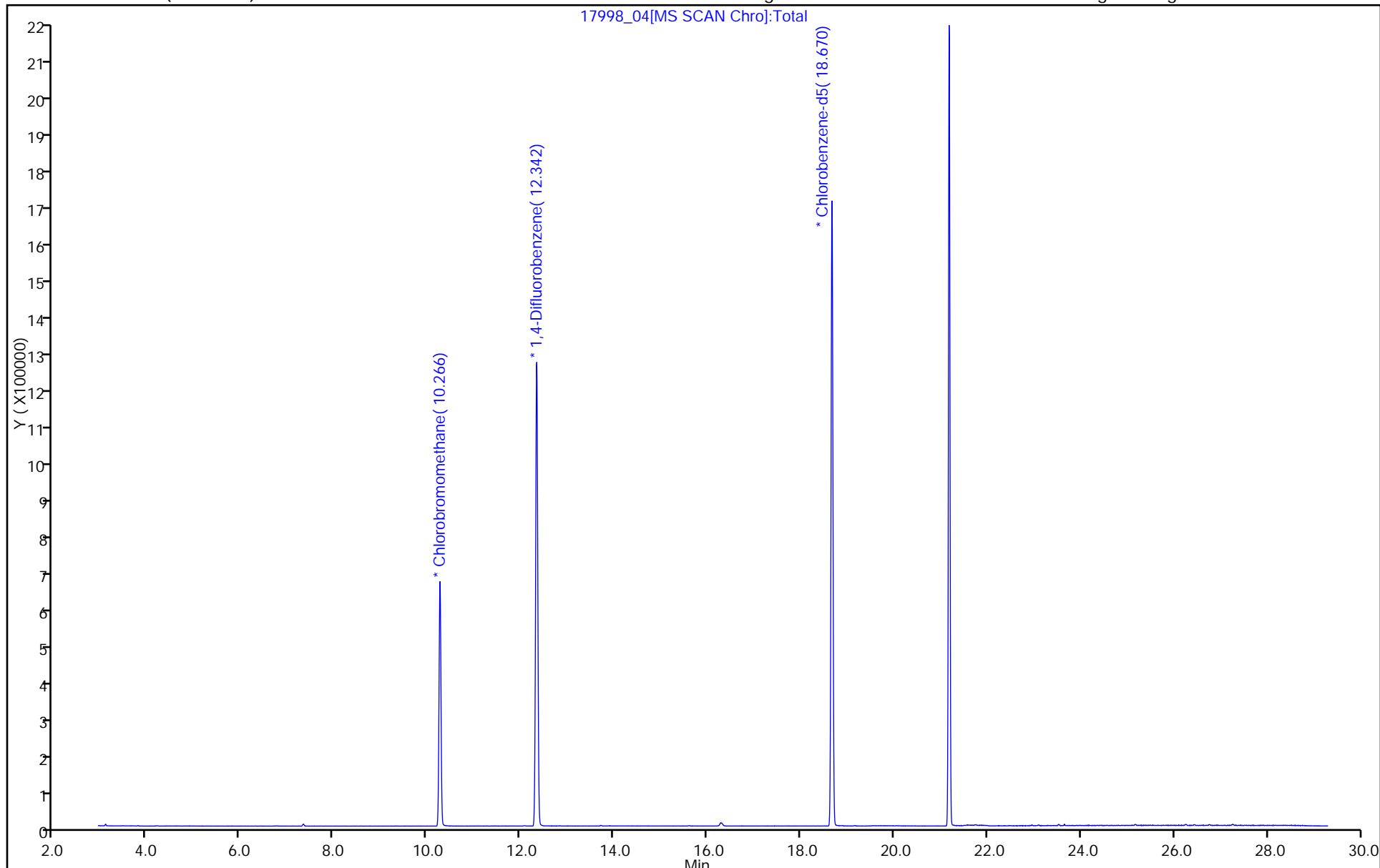
ALS Bottle#: 3

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-99877/3
 Matrix: Air Lab File ID: 17944_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	9.90		0.50
75-45-6	Freon 22	86.47	10.3		0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.1		0.20
74-87-3	Chloromethane	50.49	9.68		0.50
106-97-8	n-Butane	58.12	9.87		0.50
75-01-4	Vinyl chloride	62.50	9.52		0.040
106-99-0	1,3-Butadiene	54.09	9.79		0.20
74-83-9	Bromomethane	94.94	9.94		0.20
75-00-3	Chloroethane	64.52	10.1		0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.92		0.20
75-69-4	Trichlorofluoromethane	137.37	9.55		0.20
76-13-1	Freon TF	187.38	9.90		0.20
75-35-4	1,1-Dichloroethene	96.94	9.92		0.20
67-64-1	Acetone	58.08	9.81		5.0
67-63-0	Isopropyl alcohol	60.10	8.87		5.0
75-15-0	Carbon disulfide	76.14	11.8		0.50
107-05-1	3-Chloropropene	76.53	10.1		0.50
75-09-2	Methylene Chloride	84.93	9.77		0.50
75-65-0	tert-Butyl alcohol	74.12	9.45		5.0
1634-04-4	Methyl tert-butyl ether	88.15	10.1		0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.9		0.20
110-54-3	n-Hexane	86.17	11.1		0.20
75-34-3	1,1-Dichloroethane	98.96	10.4		0.20
78-93-3	Methyl Ethyl Ketone	72.11	10.2		0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.99		0.20
540-59-0	1,2-Dichloroethene, Total	96.94	20.9		0.40
67-66-3	Chloroform	119.38	10.2		0.20
109-99-9	Tetrahydrofuran	72.11	9.75		5.0
71-55-6	1,1,1-Trichloroethane	133.41	9.62		0.20
110-82-7	Cyclohexane	84.16	9.74		0.20
56-23-5	Carbon tetrachloride	153.81	10.5		0.040
540-84-1	2,2,4-Trimethylpentane	114.23	9.43		0.20
71-43-2	Benzene	78.11	9.62		0.20
107-06-2	1,2-Dichloroethane	98.96	9.71		0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-99877/3
 Matrix: Air Lab File ID: 17944_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	9.29		0.20
79-01-6	Trichloroethene	131.39	9.53		0.040
80-62-6	Methyl methacrylate	100.12	10.2		0.50
78-87-5	1,2-Dichloropropane	112.99	9.62		0.20
123-91-1	1,4-Dioxane	88.11	9.30		5.0
75-27-4	Bromodichloromethane	163.83	9.87		0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	10.1		0.20
108-10-1	methyl isobutyl ketone	100.16	9.03		0.50
108-88-3	Toluene	92.14	9.71		0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	10.3		0.20
79-00-5	1,1,2-Trichloroethane	133.41	10.0		0.20
127-18-4	Tetrachloroethene	165.83	9.38		0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.96		0.50
124-48-1	Dibromochloromethane	208.29	10.3		0.20
106-93-4	1,2-Dibromoethane	187.87	10.2		0.20
108-90-7	Chlorobenzene	112.56	9.92		0.20
100-41-4	Ethylbenzene	106.17	9.79		0.20
179601-23-1	m,p-Xylene	106.17	19.5		0.50
95-47-6	Xylene, o-	106.17	9.60		0.20
1330-20-7	Xylene (total)	106.17	29.1		0.70
100-42-5	Styrene	104.15	10.2		0.20
75-25-2	Bromoform	252.75	11.0		0.20
98-82-8	Cumene	120.19	9.59		0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.98		0.20
103-65-1	n-Propylbenzene	120.19	9.75		0.20
622-96-8	4-Ethyltoluene	120.20	9.88		0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.60		0.20
95-49-8	2-Chlorotoluene	126.59	9.62		0.20
98-06-6	tert-Butylbenzene	134.22	9.60		0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.60		0.20
135-98-8	sec-Butylbenzene	134.22	9.64		0.20
99-87-6	4-Isopropyltoluene	134.22	9.63		0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.70		0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.73		0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-99877/3
 Matrix: Air Lab File ID: 17944_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/22/2016 13:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99877 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	10.2		0.20	
104-51-8	n-Butylbenzene	134.22	9.71		0.20	
95-50-1	1,2-Dichlorobenzene	147.00	9.59		0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	9.24		0.50	
87-68-3	Hexachlorobutadiene	260.76	9.15		0.20	
91-20-3	Naphthalene	128.17	9.44		0.50	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Jan-2016 13:03:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017944-003
 Misc. Info.: lcs
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jan-2016 12:44:29 Calib Date: 19-Jan-2016 00:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160118-17836.b\17836_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: guazzonig

Date: 23-Jan-2016 12:46:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.752	2.747	0.005	96	83768	10.0	10.1	
2 Dichlorodifluoromethane	85	2.816	2.811	0.005	99	735304	10.0	9.90	
3 Chlorodifluoromethane	51	2.859	2.859	0.000	96	269611	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.068	3.063	0.005	94	713851	10.0	11.1	
5 Chloromethane	50	3.186	3.180	0.006	98	127046	10.0	9.68	
6 Butane	43	3.389	3.384	0.005	96	165187	10.0	9.87	
7 Vinyl chloride	62	3.416	3.416	0.000	98	177148	10.0	9.52	
8 Butadiene	54	3.496	3.491	0.005	90	101928	10.0	9.79	
10 Bromomethane	94	4.132	4.133	-0.001	99	268155	10.0	9.94	
9 BFB									
11 Chloroethane	64	4.373	4.368	0.005	98	67054	10.0	10.1	
12 2-Methylbutane	43	4.480	4.475	0.005	86	113038	10.0	10.1	
13 Vinyl bromide	106	4.758	4.753	0.005	99	285128	10.0	9.92	
14 Trichlorofluoromethane	101	4.881	4.876	0.005	98	749297	10.0	9.55	
16 Pentane	43	5.037	5.031	0.006	98	168777	10.0	11.0	
17 Ethanol	45	5.448	5.443	0.005	95	57633	15.0	14.5	
18 Ethyl ether	59	5.561	5.556	0.005	94	86272	10.0	11.8	
19 Acrolein	56	5.882	5.882	0.000	97	37066	10.0	13.5	
20 1,1,2-Trichloro-1,2,2-trif	101	5.978	5.973	0.005	98	495803	10.0	9.90	
21 1,1-Dichloroethene	96	5.989	5.984	0.005	92	209258	10.0	9.92	
22 Acetone	43	6.203	6.198	0.005	99	158029	10.0	9.81	
23 Carbon disulfide	76	6.363	6.358	0.005	98	597650	10.0	11.8	
24 Isopropyl alcohol	45	6.550	6.545	0.005	99	111620	10.0	8.87	
25 3-Chloro-1-propene	41	6.770	6.770	0.000	88	112457	10.0	10.1	
26 Acetonitrile	41	6.845	6.840	0.005	97	65000	10.0	11.5	
27 Methylene Chloride	49	7.059	7.054	0.005	79	149739	10.0	9.77	
28 2-Methyl-2-propanol	59	7.342	7.332	0.010	92	219914	10.0	9.45	
31 trans-1,2-Dichloroethene	61	7.524	7.519	0.005	89	248833	10.0	10.9	
29 Methyl tert-butyl ether	73	7.529	7.524	0.005	94	454462	10.0	10.1	
32 Acrylonitrile	53	7.620	7.615	0.005	93	73805	10.0	11.2	
33 Hexane	57	7.968	7.968	0.000	89	179724	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.385	8.380	0.005	99	303033	10.0	10.4	
35 Vinyl acetate	43	8.492	8.487	0.005	99	246958	10.0	10.4	
37 cis-1,2-Dichloroethene	96	9.487	9.488	-0.001	82	264468	10.0	10.0	
38 2-Butanone (MEK)	72	9.541	9.536	0.005	97	70399	10.0	10.2	
39 Ethyl acetate	88	9.627	9.627	0.000	98	12169	10.0	11.3	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.9	
* 40 Chlorobromomethane	128	9.937	9.937	0.000	65	284943	10.0	10.0	
41 Tetrahydrofuran	42	9.985	9.985	0.000	81	102320	10.0	9.75	
42 Chloroform	83	10.087	10.087	0.000	94	580878	10.0	10.2	
44 1,1,1-Trichloroethane	97	10.376	10.370	0.006	93	694091	10.0	9.62	
43 Cyclohexane	84	10.381	10.376	0.005	86	269788	10.0	9.74	
45 Carbon tetrachloride	117	10.638	10.638	0.000	97	844977	10.0	10.5	
47 Benzene	78	11.076	11.071	0.005	93	705661	10.0	9.62	
46 Isooctane	57	11.124	11.125	-0.001	98	751463	10.0	9.43	
48 1,2-Dichloroethane	62	11.226	11.221	0.005	99	362057	10.0	9.71	
49 n-Heptane	43	11.526	11.526	0.000	84	234582	10.0	9.29	
* 50 1,4-Difluorobenzene	114	11.916	11.916	0.000	91	1584298	10.0	10.0	
52 n-Butanol	56	12.344	12.334	0.010	84	80761	10.0	9.47	
53 Trichloroethene	95	12.382	12.387	-0.005	93	541355	10.0	9.53	
A 51 GRO	1	12.810	(4.465-21.155)		0	141080553	10.0	0	
54 1,2-Dichloropropane	63	12.895	12.895	0.000	91	285062	10.0	9.62	
55 Methyl methacrylate	69	13.125	13.120	0.005	89	249060	10.0	10.2	
57 Dibromomethane	174	13.141	13.141	0.000	90	740332	10.0	9.23	
56 1,4-Dioxane	88	13.157	13.152	0.005	79	149333	10.0	9.30	
58 Dichlorobromomethane	83	13.457	13.457	0.000	97	974049	10.0	9.87	
60 cis-1,3-Dichloropropene	75	14.436	14.431	0.005	86	756310	10.0	10.1	
A 59 TVOC as Toluene	92	14.476	(2.737-26.215)		0	244830390	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.757	14.757	0.000	91	512061	10.0	9.03	
65 Toluene	92	15.073	15.073	0.000	94	1083784	10.0	9.71	
A 63 Toluene Range	92	15.073	(15.033-15.113)		0	3826237	NC	NC	
A 62 C8 Range	1	15.233	(15.183-15.283)		0	2896654	NC	NC	
64 n-Octane	43	15.238	15.233	0.005	79	596061	10.0	9.29	
66 trans-1,3-Dichloropropene	75	15.672	15.672	0.000	91	811072	10.0	10.3	
67 1,1,2-Trichloroethane	83	16.052	16.046	0.006	92	548329	10.0	10.0	
68 Tetrachloroethene	166	16.223	16.223	0.000	95	1401731	10.0	9.38	
69 2-Hexanone	43	16.554	16.549	0.005	97	498090	10.0	8.96	
71 Chlorodibromomethane	129	16.833	16.833	0.000	97	1513506	10.0	10.3	
72 Ethylene Dibromide	107	17.100	17.100	0.000	99	1269804	10.0	10.2	
* 74 Chlorobenzene-d5	117	18.052	18.053	0.000	80	2532676	10.0	10.0	
75 Chlorobenzene	112	18.111	18.111	0.000	99	1731085	10.0	9.92	
76 Ethylbenzene	91	18.293	18.293	0.000	96	2273160	10.0	9.79	
77 n-Nonane	57	18.512	18.507	0.005	80	685974	10.0	9.70	
78 m-Xylene & p-Xylene	106	18.555	18.550	0.005	0	1902781	20.0	19.5	
79 o-Xylene	106	19.395	19.395	0.000	97	1008320	10.0	9.60	
80 Styrene	104	19.443	19.443	0.000	96	1456123	10.0	10.2	
S 73 Xylenes, Total	106				0		30.0	29.1	
81 Bromoform	173	19.855	19.850	0.005	98	1316225	10.0	11.0	
82 Isopropylbenzene	105	20.139	20.139	0.000	94	2726161	10.0	9.59	
* 83 4-Bromofluorobenzene	95	20.503	20.503	0.000	96	1551204	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.781	20.781	0.000	98	1350024	10.0	9.98	
86 1,2,3-Trichloropropane	75	20.877	20.872	0.005	94	923449	10.0	9.81	
85 N-Propylbenzene	91	20.898	20.899	-0.001	99	2938631	10.0	9.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	21.091	21.086	0.005	95	2072026	10.0	9.62	
88 4-Ethyltoluene	105	21.102	21.102	0.000	98	2626700	10.0	9.88	
87 n-Decane	57	21.150	21.145	0.005	89	842265	10.0	9.67	
90 1,3,5-Trimethylbenzene	105	21.214	21.214	0.000	94	2303042	10.0	9.60	
91 Alpha Methyl Styrene	118	21.583	21.583	0.000	93	1265923	10.0	10.7	
92 tert-Butylbenzene	119	21.717	21.717	0.000	94	2335092	10.0	9.60	
93 1,2,4-Trimethylbenzene	105	21.813	21.813	0.000	95	2314836	10.0	9.60	
94 sec-Butylbenzene	105	22.054	22.054	0.000	99	3315256	10.0	9.64	
95 4-Isopropyltoluene	119	22.263	22.263	0.000	97	2776807	10.0	9.63	
96 1,3-Dichlorobenzene	146	22.268	22.268	0.000	92	1857493	10.0	9.70	
97 1,4-Dichlorobenzene	146	22.402	22.402	0.000	97	1992263	10.0	9.73	
98 Benzyl chloride	91	22.589	22.589	0.000	100	1735785	10.0	10.2	
100 n-Butylbenzene	91	22.830	22.830	0.000	98	2358528	10.0	9.71	
99 Undecane	57	22.899	22.899	0.000	88	877093	10.0	10.5	
101 1,2-Dichlorobenzene	146	22.921	22.921	0.000	99	1838656	10.0	9.59	
102 Dodecane	57	24.429	24.424	0.005	94	794646	10.0	11.1	
103 1,2,4-Trichlorobenzene	180	25.317	25.317	0.000	93	1283062	10.0	9.24	
104 Hexachlorobutadiene	225	25.526	25.526	0.000	98	1261195	10.0	9.15	
105 Naphthalene	128	25.751	25.751	0.000	99	2616253	10.0	9.44	
106 1,2,3-Trichlorobenzene	180	26.205	26.205	0.000	96	1206440	10.0	8.98	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00570

Amount Added: 200.00

Units: mL

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160122-17944.b\17944_03.D

Injection Date: 22-Jan-2016 13:03:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

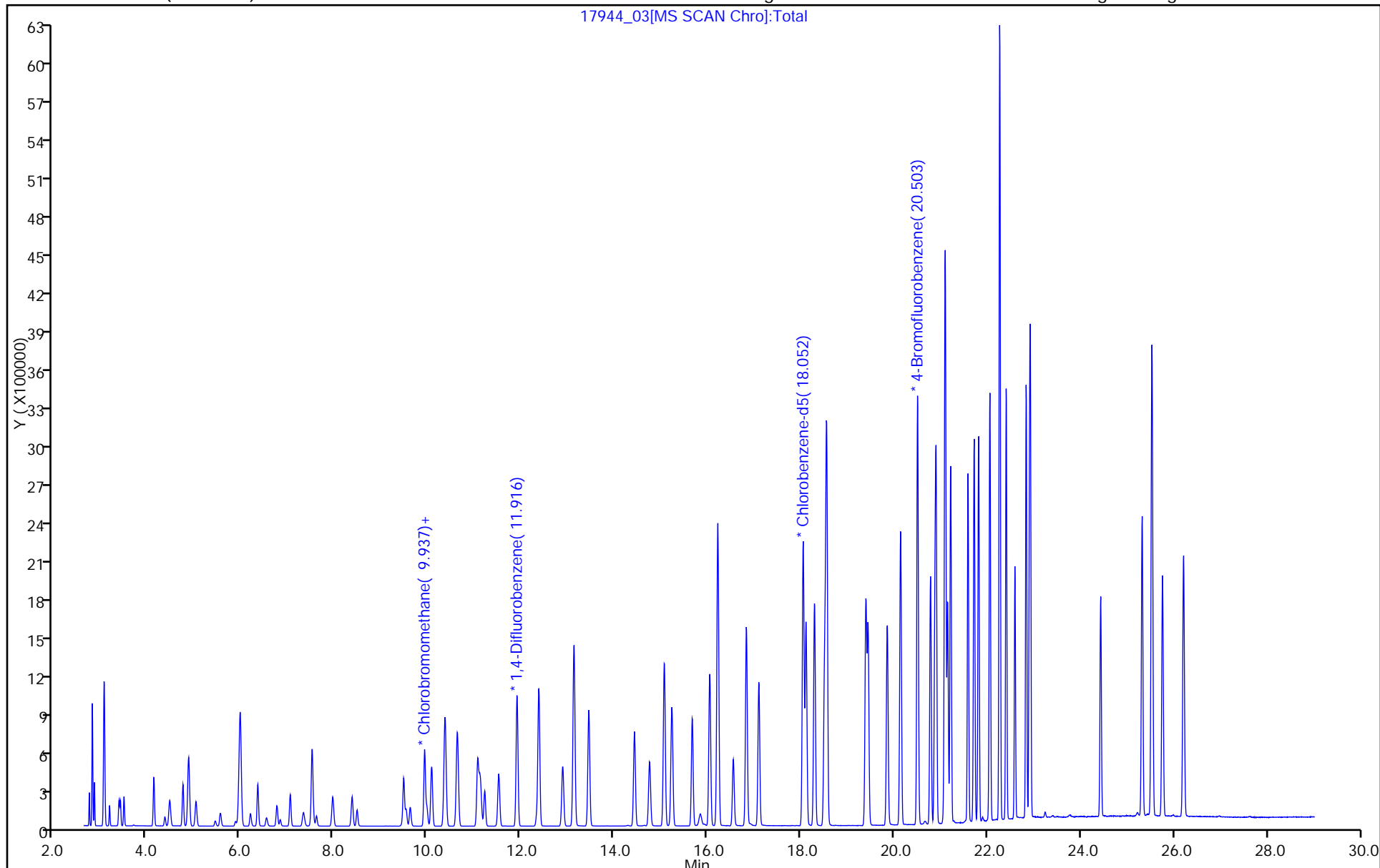
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-99999/3
 Matrix: Air Lab File ID: 17998_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 12:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	9.34		0.50
75-45-6	Freon 22	86.47	9.33		0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.2		0.20
74-87-3	Chloromethane	50.49	8.66		0.50
106-97-8	n-Butane	58.12	8.39		0.50
75-01-4	Vinyl chloride	62.50	8.81		0.040
106-99-0	1,3-Butadiene	54.09	8.36		0.20
74-83-9	Bromomethane	94.94	9.24		0.20
75-00-3	Chloroethane	64.52	9.04		0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.13		0.20
75-69-4	Trichlorofluoromethane	137.37	9.07		0.20
76-13-1	Freon TF	187.38	9.33		0.20
75-35-4	1,1-Dichloroethene	96.94	9.05		0.20
67-64-1	Acetone	58.08	9.93		5.0
67-63-0	Isopropyl alcohol	60.10	7.94		5.0
75-15-0	Carbon disulfide	76.14	10.5		0.50
107-05-1	3-Chloropropene	76.53	6.89		0.50
75-09-2	Methylene Chloride	84.93	8.46		0.50
75-65-0	tert-Butyl alcohol	74.12	8.44		5.0
1634-04-4	Methyl tert-butyl ether	88.15	8.80		0.20
156-60-5	trans-1,2-Dichloroethene	96.94	9.54		0.20
110-54-3	n-Hexane	86.17	9.21		0.20
75-34-3	1,1-Dichloroethane	98.96	8.97		0.20
78-93-3	Methyl Ethyl Ketone	72.11	9.27		0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.54		0.20
540-59-0	1,2-Dichloroethene, Total	96.94	19.1		0.40
67-66-3	Chloroform	119.38	9.73		0.20
109-99-9	Tetrahydrofuran	72.11	9.86		5.0
71-55-6	1,1,1-Trichloroethane	133.41	9.44		0.20
110-82-7	Cyclohexane	84.16	9.76		0.20
56-23-5	Carbon tetrachloride	153.81	7.32		0.040
540-84-1	2,2,4-Trimethylpentane	114.23	9.87		0.20
71-43-2	Benzene	78.11	9.73		0.20
107-06-2	1,2-Dichloroethane	98.96	9.80		0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-99999/3
 Matrix: Air Lab File ID: 17998_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 12:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
142-82-5	n-Heptane	100.21	10.2		0.20
79-01-6	Trichloroethene	131.39	9.87		0.040
80-62-6	Methyl methacrylate	100.12	10.1		0.50
78-87-5	1,2-Dichloropropane	112.99	10.6		0.20
123-91-1	1,4-Dioxane	88.11	10.5		5.0
75-27-4	Bromodichloromethane	163.83	9.63		0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	10.3		0.20
108-10-1	methyl isobutyl ketone	100.16	11.1		0.50
108-88-3	Toluene	92.14	9.61		0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.85		0.20
79-00-5	1,1,2-Trichloroethane	133.41	10.3		0.20
127-18-4	Tetrachloroethene	165.83	9.63		0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.8		0.50
124-48-1	Dibromochloromethane	208.29	8.36		0.20
106-93-4	1,2-Dibromoethane	187.87	10.0		0.20
108-90-7	Chlorobenzene	112.56	9.66		0.20
100-41-4	Ethylbenzene	106.17	9.61		0.20
179601-23-1	m,p-Xylene	106.17	18.9		0.50
95-47-6	Xylene, o-	106.17	9.29		0.20
1330-20-7	Xylene (total)	106.17	28.2		0.70
100-42-5	Styrene	104.15	9.31		0.20
75-25-2	Bromoform	252.75	6.75		0.20
98-82-8	Cumene	120.19	9.34		0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.5		0.20
103-65-1	n-Propylbenzene	120.19	9.88		0.20
622-96-8	4-Ethyltoluene	120.20	10.5		0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.92		0.20
95-49-8	2-Chlorotoluene	126.59	9.81		0.20
98-06-6	tert-Butylbenzene	134.22	9.82		0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.55		0.20
135-98-8	sec-Butylbenzene	134.22	9.05		0.20
99-87-6	4-Isopropyltoluene	134.22	8.47		0.20
541-73-1	1,3-Dichlorobenzene	147.00	10.5		0.20
106-46-7	1,4-Dichlorobenzene	147.00	10.5		0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31641-1
 SDG No.: 200-31641-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-99999/3
 Matrix: Air Lab File ID: 17998_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/26/2016 12:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99999 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-44-7	Benzyl chloride	126.58	6.54		0.20	
104-51-8	n-Butylbenzene	134.22	10.2		0.20	
95-50-1	1,2-Dichlorobenzene	147.00	9.16		0.20	
120-82-1	1,2,4-Trichlorobenzene	181.45	10.2		0.50	
87-68-3	Hexachlorobutadiene	260.76	10.4		0.20	
91-20-3	Naphthalene	128.17	9.98		0.50	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 26-Jan-2016 12:12:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017998-003
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jan-2016 11:30:58 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: guazzonig

Date: 26-Jan-2016 13:09:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.087	3.092	-0.006	99	132484	10.0	8.82	
2 Dichlorodifluoromethane	85	3.151	3.156	-0.005	99	719237	10.0	9.34	
3 Chlorodifluoromethane	51	3.199	3.204	-0.005	97	341204	10.0	9.33	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.407	3.413	-0.006	97	789623	10.0	10.2	
5 Chloromethane	50	3.541	3.547	-0.006	99	182245	10.0	8.66	
6 Butane	43	3.728	3.734	-0.006	98	283790	10.0	8.39	
7 Vinyl chloride	62	3.771	3.777	-0.006	98	247149	10.0	8.81	
8 Butadiene	54	3.841	3.852	-0.011	92	162951	10.0	8.36	
9 Bromomethane	94	4.488	4.499	-0.011	99	256188	10.0	9.24	
10 Chloroethane	64	4.713	4.718	-0.005	99	117594	10.0	9.04	
11 2-Methylbutane	43	4.772	4.782	-0.010	90	209291	10.0	9.28	
12 Vinyl bromide	106	5.082	5.087	-0.005	99	304416	10.0	9.13	
13 Trichlorofluoromethane	101	5.168	5.178	-0.010	98	750289	10.0	9.07	
14 Pentane	43	5.301	5.307	-0.006	99	351339	10.0	9.16	
15 Ethanol	45	5.745	5.783	-0.038	98	121708	15.0	12.8	
16 Ethyl ether	59	5.810	5.831	-0.021	94	178953	10.0	9.58	
17 Acrolein	56	6.189	6.205	-0.016	37	59575	10.0	7.60	
18 1,1,2-Trichloro-1,2,2-trif	101	6.195	6.205	-0.010	97	603619	10.0	9.33	
20 1,1-Dichloroethene	96	6.248	6.259	-0.011	95	282595	10.0	9.05	
\$ 19 BFB									
21 Acetone	43	6.500	6.516	-0.016	96	328319	10.0	9.93	
22 Carbon disulfide	76	6.649	6.655	-0.006	98	847936	10.0	10.5	
23 Isopropyl alcohol	45	6.799	6.831	-0.032	100	253245	10.0	7.94	
24 3-Chloro-1-propene	41	7.024	7.029	-0.005	94	199598	10.0	6.89	
25 Acetonitrile	41	7.168	7.179	-0.011	99	138348	10.0	9.17	
26 Methylene Chloride	49	7.318	7.323	-0.005	83	245188	10.0	8.46	
28 2-Methyl-2-propanol	59	7.586	7.628	-0.042	93	450283	10.0	8.44	
29 Methyl tert-butyl ether	73	7.725	7.746	-0.021	96	776573	10.0	8.80	
30 trans-1,2-Dichloroethene	61	7.751	7.751	0.000	95	392321	10.0	9.54	
31 Acrylonitrile	53	7.912	7.928	-0.016	96	164543	10.0	8.85	
32 Hexane	57	8.121	8.131	-0.010	88	388081	10.0	9.21	
33 1,1-Dichloroethane	63	8.634	8.639	-0.005	99	496343	10.0	8.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	8.698	8.714	-0.016	99	543737	10.0	8.65	
35 cis-1,2-Dichloroethene	96	9.774	9.779	-0.005	87	385928	10.0	9.54	
36 2-Butanone (MEK)	72	9.827	9.843	-0.016	100	169290	10.0	9.27	
37 Ethyl acetate	88	9.854	9.881	-0.027	99	30722	10.0	10.1	
S 38 1,2-Dichloroethene, Total	61				0		20.0	19.1	
* 40 Chlorobromomethane	128	10.255	10.266	-0.011	79	360859	10.0	10.0	
39 Tetrahydrofuran	42	10.266	10.282	-0.016	85	296861	10.0	9.86	
41 Chloroform	83	10.389	10.400	-0.011	94	754319	10.0	9.73	
42 Cyclohexane	84	10.640	10.646	-0.006	93	540503	10.0	9.76	
43 1,1,1-Trichloroethane	97	10.672	10.683	-0.011	94	772541	10.0	9.44	
44 Carbon tetrachloride	117	10.935	10.940	-0.005	97	647499	10.0	7.32	
45 Isooctane	57	11.384	11.395	-0.011	99	1822620	10.0	9.87	
46 Benzene	78	11.432	11.437	-0.005	94	1277449	10.0	9.73	
47 1,2-Dichloroethane	62	11.635	11.646	-0.011	97	459657	10.0	9.80	
48 n-Heptane	43	11.790	11.807	-0.017	86	590953	10.0	10.2	
* 50 1,4-Difluorobenzene	114	12.325	12.336	-0.011	93	2039901	10.0	10.0	
51 n-Butanol	56	12.802	12.818	-0.016	82	215315	10.0	11.0	
52 Trichloroethene	95	12.828	12.834	-0.006	97	629143	10.0	9.87	
53 1,2-Dichloropropane	63	13.422	13.433	-0.011	95	496612	10.0	10.6	
54 Methyl methacrylate	69	13.593	13.609	-0.016	94	478690	10.0	10.1	
55 1,4-Dioxane	88	13.668	13.690	-0.022	88	234308	10.0	10.5	
56 Dibromomethane	174	13.700	13.706	-0.006	93	709252	10.0	9.96	
57 Dichlorobromomethane	83	14.005	14.016	-0.011	97	902103	10.0	9.63	
58 cis-1,3-Dichloropropene	75	14.979	14.990	-0.011	87	767128	10.0	10.3	
A 60 TVOC as Toluene	1	15.252	(3.054-27.449)		0	264152009	10.0	2303.5	
61 4-Methyl-2-pentanone (MIBK)	43	15.300	15.316	-0.016	93	834170	10.0	11.1	
62 Toluene	92	15.594	15.605	-0.011	92	1053919	10.0	9.61	
A 65 GRO	1	15.653	(15.653-15.653)		0	3354961	10.0	0	
66 n-Octane	43	15.642	15.653	-0.011	90	889700	10.0	10.7	
67 trans-1,3-Dichloropropene	75	16.236	16.241	-0.005	93	745413	10.0	9.85	
68 1,1,2-Trichloroethane	83	16.632	16.637	-0.005	94	526244	10.0	10.3	
69 Tetrachloroethene	166	16.728	16.734	-0.006	97	994885	10.0	9.63	
70 2-Hexanone	43	17.113	17.129	-0.016	98	778332	10.0	10.8	
71 Chlorodibromomethane	129	17.434	17.440	-0.006	98	887399	10.0	8.36	
72 Ethylene Dibromide	107	17.723	17.729	-0.006	98	1009642	10.0	10.0	
* 73 Chlorobenzene-d5	117	18.665	18.670	-0.005	82	1950613	10.0	10.0	
74 Chlorobenzene	112	18.729	18.734	-0.005	98	1502937	10.0	9.66	
75 Ethylbenzene	91	18.884	18.890	-0.006	97	2291160	10.0	9.61	
76 n-Nonane	57	19.007	19.013	-0.006	85	978025	10.0	10.1	
77 m-Xylene & p-Xylene	106	19.146	19.157	-0.011	0	1853245	20.0	18.9	
S 80 Xylenes, Total	106				0		30.0	28.2	
78 o-Xylene	106	20.045	20.050	-0.005	99	910976	10.0	9.29	
79 Styrene	104	20.104	20.109	-0.005	95	1416126	10.0	9.31	
81 Bromoform	173	20.569	20.575	-0.006	99	600033	10.0	6.75	
82 Isopropylbenzene	105	20.778	20.783	-0.005	94	2599463	10.0	9.34	
85 1,1,2,2-Tetrachloroethane	83	21.484	21.489	-0.005	97	1399068	10.0	10.5	
86 N-Propylbenzene	91	21.543	21.548	-0.005	99	3191765	10.0	9.88	
87 1,2,3-Trichloropropane	75	21.586	21.591	-0.005	97	1008984	10.0	10.0	
88 n-Decane	57	21.725	21.725	0.000	90	971100	10.0	8.96	
89 4-Ethyltoluene	105	21.746	21.746	0.000	98	2726719	10.0	10.5	
90 2-Chlorotoluene	91	21.757	21.757	0.000	96	2152566	10.0	9.81	
91 1,3,5-Trimethylbenzene	105	21.853	21.859	-0.006	94	2200832	10.0	9.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 Alpha Methyl Styrene	118	22.244	22.244	0.000	91	1137398	10.0	9.89	
93 tert-Butylbenzene	119	22.367	22.367	0.000	95	2098216	10.0	9.82	
94 1,2,4-Trimethylbenzene	105	22.468	22.468	0.000	96	2098100	10.0	9.55	
95 sec-Butylbenzene	105	22.704	22.709	-0.005	99	2818864	10.0	9.05	
96 4-Isopropyltoluene	119	22.913	22.918	-0.006	98	2250366	10.0	8.47	
97 1,3-Dichlorobenzene	146	22.950	22.955	-0.005	95	1716679	10.0	10.5	
98 1,4-Dichlorobenzene	146	23.094	23.094	0.000	97	1728915	10.0	10.5	
99 Benzyl chloride	91	23.298	23.303	-0.005	100	1088805	10.0	6.54	
101 n-Butylbenzene	91	23.512	23.512	0.000	98	2445148	10.0	10.2	
100 Undecane	57	23.528	23.528	0.000	92	1277350	10.0	10.3	
102 1,2-Dichlorobenzene	146	23.651	23.651	0.000	99	1400884	10.0	9.16	
103 Dodecane	57	25.170	25.170	0.000	96	1038845	10.0	11.4	
104 1,2,4-Trichlorobenzene	180	26.251	26.251	0.000	94	1273998	10.0	10.2	
105 Hexachlorobutadiene	225	26.433	26.438	-0.005	97	1192737	10.0	10.4	
106 Naphthalene	128	26.759	26.759	0.000	99	2537784	10.0	9.98	
107 1,2,3-Trichlorobenzene	180	27.256	27.256	0.000	96	1062529	10.0	10.3	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00571

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160126-17998.b\17998_03.D

Injection Date: 26-Jan-2016 12:12:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

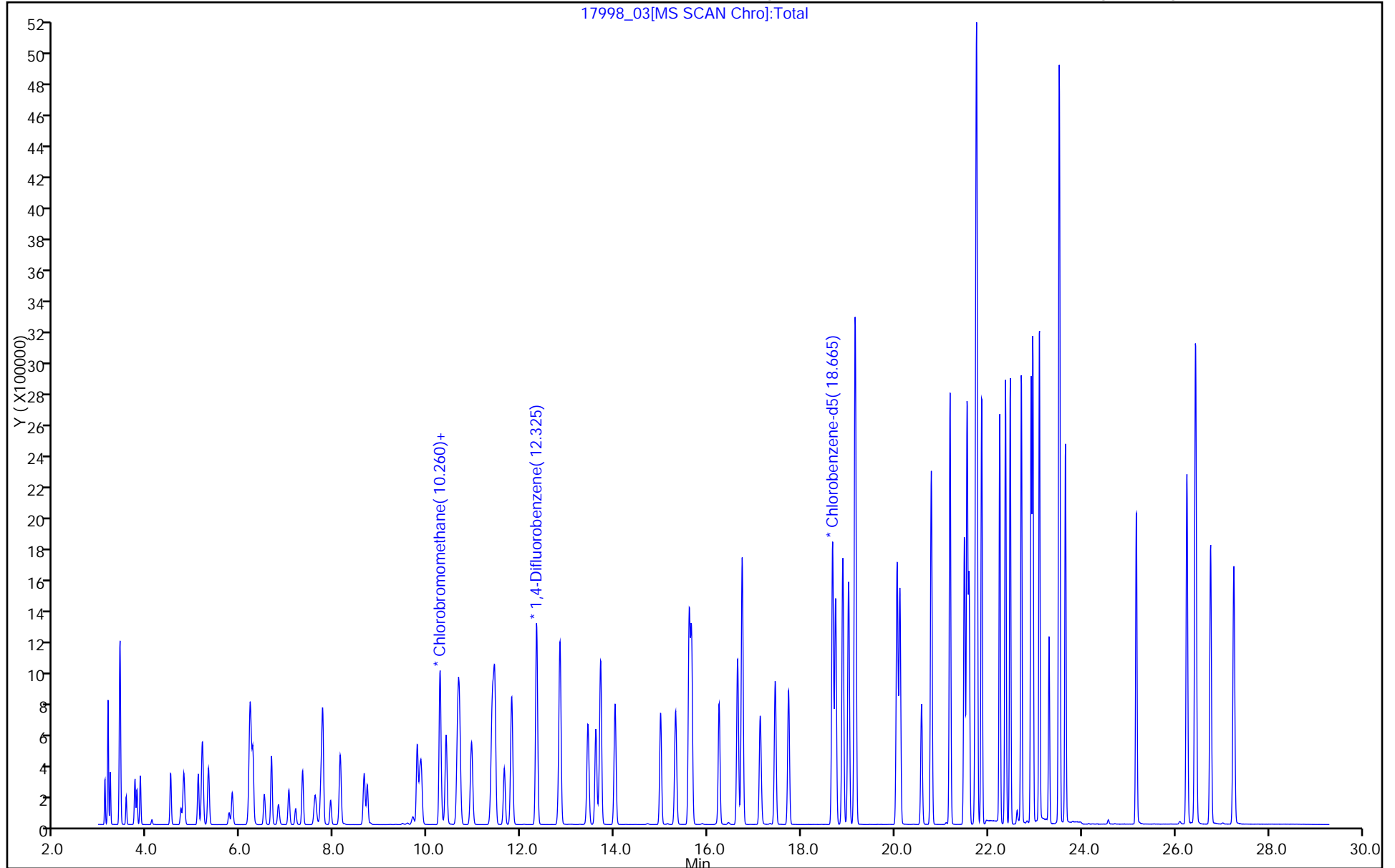
ALS Bottle#: 2

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHG.i Start Date: 01/18/2016 16:04

Analysis Batch Number: 99657 End Date: 01/19/2016 06:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99657/1		01/18/2016 16:04	1	17836_01.D	RTX-624 0.32 (mm)
VIBLK 200-99657/2		01/18/2016 17:03	1		RTX-624 0.32 (mm)
IC 200-99657/3		01/18/2016 17:54	1	17836_03.D	RTX-624 0.32 (mm)
IC 200-99657/4		01/18/2016 18:45	1	17836_04.D	RTX-624 0.32 (mm)
ZZZZZ		01/18/2016 19:36	1		RTX-624 0.32 (mm)
IC 200-99657/6		01/18/2016 20:27	1	17836_06.D	RTX-624 0.32 (mm)
IC 200-99657/7		01/18/2016 21:19	1	17836_07.D	RTX-624 0.32 (mm)
ICIS 200-99657/8		01/18/2016 22:10	1	17836_08.D	RTX-624 0.32 (mm)
IC 200-99657/9		01/18/2016 23:02	1	17836_09.D	RTX-624 0.32 (mm)
IC 200-99657/10		01/18/2016 23:53	1	17836_10.D	RTX-624 0.32 (mm)
IC 200-99657/11		01/19/2016 00:44	1	17836_11.D	RTX-624 0.32 (mm)
VIBLK 200-99657/12		01/19/2016 01:34	1		RTX-624 0.32 (mm)
VIBLK 200-99657/13		01/19/2016 02:26	1		RTX-624 0.32 (mm)
VIBLK 200-99657/14		01/19/2016 03:18	1		RTX-624 0.32 (mm)
ZZZZZ		01/19/2016 04:09	1		RTX-624 0.32 (mm)
ZZZZZ		01/19/2016 05:01	1		RTX-624 0.32 (mm)
ICV 200-99657/17		01/19/2016 05:52	1	17836_17.D	RTX-624 0.32 (mm)
ZZZZZ		01/19/2016 06:44	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHG.i Start Date: 01/22/2016 11:17

Analysis Batch Number: 99877 End Date: 01/23/2016 10:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99877/1		01/22/2016 11:17	1	17944_01.D	RTX-624 0.32 (mm)
CCVIS 200-99877/2		01/22/2016 12:11	1	17944_02.D	RTX-624 0.32 (mm)
LCS 200-99877/3		01/22/2016 13:03	1	17944_03.D	RTX-624 0.32 (mm)
MB 200-99877/4		01/22/2016 13:54	1	17944_04.D	RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 14:45	2.5		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 15:36	2.5		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 16:28	14.9		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 17:19	4		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 18:10	22.5		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 19:02	1		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 19:53	1		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 20:45	1		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 21:36	1		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 22:27	1		RTX-624 0.32 (mm)
ZZZZZ		01/22/2016 23:18	10		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 00:09	10		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 01:01	10		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 01:52	70.1		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 02:44	1		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 03:35	1		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 04:26	1		RTX-624 0.32 (mm)
200-31641-4		01/23/2016 05:17	1	17944_22.D	RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 06:09	1		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 07:00	1		RTX-624 0.32 (mm)
ZZZZZ		01/23/2016 10:31	267		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHX.i Start Date: 12/02/2015 15:20

Analysis Batch Number: 97814 End Date: 12/03/2015 02:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-97814/1		12/02/2015 15:20	1	17105_01.D	RTX-624 0.32 (mm)
IC 200-97814/3		12/02/2015 17:08	1	17105_03.D	RTX-624 0.32 (mm)
IC 200-97814/4		12/02/2015 17:58	1	17105_04.D	RTX-624 0.32 (mm)
IC 200-97814/5		12/02/2015 18:49	1	17105_05.D	RTX-624 0.32 (mm)
IC 200-97814/6		12/02/2015 19:39	1	17105_06.D	RTX-624 0.32 (mm)
ICIS 200-97814/7		12/02/2015 20:30	1	17105_07.D	RTX-624 0.32 (mm)
IC 200-97814/8		12/02/2015 21:21	1	17105_08.D	RTX-624 0.32 (mm)
IC 200-97814/9		12/02/2015 22:12	1	17105_09.D	RTX-624 0.32 (mm)
IC 200-97814/10		12/02/2015 23:02	1	17105_10.D	RTX-624 0.32 (mm)
ICV 200-97814/13		12/03/2015 01:34	1	17105_13.D	RTX-624 0.32 (mm)
ZZZZZ		12/03/2015 02:24	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31641-1

SDG No.: 200-31641-1

Instrument ID: CHX.i Start Date: 01/26/2016 10:23

Analysis Batch Number: 99999 End Date: 01/27/2016 05:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99999/1		01/26/2016 10:23	1	17998_01.D	RTX-624 0.32 (mm)
CCVIS 200-99999/2		01/26/2016 11:22	1	17998_02.D	RTX-624 0.32 (mm)
LCS 200-99999/3		01/26/2016 12:12	1	17998_03.D	RTX-624 0.32 (mm)
MB 200-99999/4		01/26/2016 13:02	1	17998_04.D	RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 13:53	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 14:44	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 15:34	1		RTX-624 0.32 (mm)
200-31641-1		01/26/2016 16:25	1	17998_08.D	RTX-624 0.32 (mm)
200-31641-2		01/26/2016 17:16	1	17998_09.D	RTX-624 0.32 (mm)
200-31641-3		01/26/2016 18:06	1	17998_10.D	RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 18:57	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 19:47	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 20:37	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 21:27	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 22:17	1		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 23:07	4820		RTX-624 0.32 (mm)
ZZZZZ		01/26/2016 23:57	6260		RTX-624 0.32 (mm)
ZZZZZ		01/27/2016 00:48	1000		RTX-624 0.32 (mm)
ZZZZZ		01/27/2016 01:38	558		RTX-624 0.32 (mm)
ZZZZZ		01/27/2016 02:35	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/27/2016 03:32	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/27/2016 04:22	1		RTX-624 0.32 (mm)
ZZZZZ		01/27/2016 05:13	1		RTX-624 0.32 (mm)



200-31480-A-6
 2972
 Location: Air-Storage
 Bottle: Summa Canister 6L
 Sampled: 1/8/2016 12:00 AM 200-890550

Loc: 200
31480
#6
A

Pre-shipment Clean Canister Certification Report

Certification Type: Batch Individual

Canister Cleaning & Pre-shipment Leak Test									
System ID		# Cycles	Cleaning Date		Technician	Canister Size			
TOP		20	1/8/16		MA	6L	1L	3L	
Port	Can ID	Initial ¹	Final	Adjusted Initial ²	Difference ³	Leak Test			
		("Hg)	("Hg)	("Hg)		Initial Reading	Final Reading		
						Gauge ID: G9	Gauge ID: G9		
						Date: 1/8/16	Date: 1/12/16		
						Time: 1140	Time: 1630		
						Tech: MA	Tech: S		
						BP: 29.8 ("Hg)	BP: 29.3 ("Hg)		
						Temp: 22 (°C)	Temp: 22 (°C)		
						³ Acceptance Criteria: (1) The difference must be less than or equal to + 0.5 (2) Pressure readings must be at least 24 hours apart. If time frame was not met, the PM must authorize shipment of canister: PM Authorization:			
						Signature	Date		

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

² To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³ To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory										
Test Method: <input type="checkbox"/> TO15 Routine <input type="checkbox"/> TO15 LL <input type="checkbox"/> NJDEP-LL TO15				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
2972	1/11/16	17692	WMD		✓				1/12/16	AN

- Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
- Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
- Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
- Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
- Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: 0.04



200-31494-A-9

4673
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 1/11/2016 12:00 AM 200-890792

Loc: 200
31494
#9
A

Pre-Shipment Clean Canister Certification Report

Certification Type: Batch Individual

Canister Cleaning & Pre-Shipment Leak Test										
System ID		# Cycles		Cleaning Date		Technician		Canister Size		
OVEN 3/4		20		1/11/16		SH		6L 1L 3L		
Port	Can ID	Leak Test				Initial Reading		Final Reading		
		Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Gauge ID: 69	Date: 1/12/16	Gauge ID: 69	Date: 1/14/16	
1	4391	-29.9	-29.9	-29.9	-0.2	69	1/12/16	69	1/15/16	
2	4311	-29.5	-29.5	-29.5	+0.1	69	1/12/16	69	1/15/16	
3	3340	-29.3	-29.3	-29.3	+0.3	69	1/12/16	69	1/15/16	
4	2511	-29.7	-29.7	-29.7	-0.1	69	1/12/16	69	1/15/16	
5	5079	-29.5	-29.5	-29.5	+0.1	69	1/12/16	69	1/15/16	
6	4370	-29.7	-29.7	-29.7	-0.1	69	1/12/16	69	1/15/16	
7	5218	-29.7	-29.7	-29.7	-0.1	69	1/12/16	69	1/15/16	
8	3205	-29.5	-29.5	-29.5	+0.1	69	1/12/16	69	1/15/16	
9	4573	-29.5	-29.5	-29.5	-0.2	69	1/12/16	69	1/15/16	
10	5063	-29.7	-29.7	-29.7	-0.1	69	1/12/16	69	1/15/16	
11	4309	-29.7	-29.7	-29.7	-0.1	69	1/12/16	69	1/15/16	
12	4151	-29.7	-29.7	-29.7	-0.1	69	1/12/16	69	1/15/16	

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

² To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³ To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory										
Test Method: <input type="checkbox"/> TO15 Routine <input type="checkbox"/> TO15 LL <input type="checkbox"/> NJDEP-LL TO15				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
4573	1/12/16	17712	PAP		✓				1/14/16	ANI

- Inventory Level 1: Individual Canister Certification Only. Certified clean to RLS listed in laboratory SOP for LLTO15.
- Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
- Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
- Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLS listed in laboratory SOP NJDEP-LLTO15.
- Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: 0.04

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington

Job No.: 200-31480-1

SDG No.: _____

Matrix: Air Level: Low

Lab File ID: 17692_03.D

Lab ID: LCS 200-99349/3

Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.97	90	70-130	
Dichlorodifluoromethane	10.0	9.60	96	70-130	
Freon 22	10.0	9.47	95	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.4	104	70-130	
Chloromethane	10.0	8.87	89	70-130	
n-Butane	10.0	8.57	86	70-130	
Vinyl chloride	10.0	9.10	91	70-130	
1,3-Butadiene	10.0	8.64	86	70-130	
Bromomethane	10.0	9.62	96	70-130	
Chloroethane	10.0	8.91	89	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.34	93	70-130	
Trichlorofluoromethane	10.0	9.21	92	70-130	
Ethanol	15.0	11.2	75	70-130	
Freon TF	10.0	9.50	95	70-130	
1,1-Dichloroethene	10.0	9.31	93	70-130	
Acetone	10.0	8.77	88	70-130	
Isopropyl alcohol	10.0	7.49	75	70-130	
Carbon disulfide	10.0	10.5	105	70-130	
3-Chloropropene	10.0	8.08	81	70-130	
Methylene Chloride	10.0	8.44	84	70-130	
tert-Butyl alcohol	10.0	8.14	81	70-130	
Methyl tert-butyl ether	10.0	9.17	92	70-130	
trans-1,2-Dichloroethene	10.0	9.66	97	70-130	
n-Hexane	10.0	9.55	96	70-130	
1,1-Dichloroethane	10.0	9.25	92	70-130	
Vinyl acetate	10.0	8.79	88	70-130	
Ethyl acetate	10.0	10.9	109	70-130	
Methyl Ethyl Ketone	10.0	9.38	94	70-130	
cis-1,2-Dichloroethene	10.0	9.83	98	70-130	
Chloroform	10.0	9.92	99	70-130	
Tetrahydrofuran	10.0	9.58	96	70-130	
1,1,1-Trichloroethane	10.0	9.64	96	70-130	
Cyclohexane	10.0	10.0	100	70-130	
Carbon tetrachloride	10.0	9.85	99	70-130	
2,2,4-Trimethylpentane	10.0	9.95	100	70-130	
Benzene	10.0	9.92	99	70-130	
1,2-Dichloroethane	10.0	9.78	98	70-130	
n-Heptane	10.0	9.88	99	70-130	
Trichloroethene	10.0	9.84	98	70-130	
Methyl methacrylate	10.0	9.96	100	70-130	
1,2-Dichloropropane	10.0	10.2	102	70-130	
1,4-Dioxane	10.0	9.36	94	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17692_03.D
 Lab ID: LCS 200-99349/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.89	99	70-130	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	
methyl isobutyl ketone	10.0	9.89	99	70-130	
Toluene	10.0	9.85	99	70-130	
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	10.3	103	70-130	
Tetrachloroethene	10.0	9.87	99	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.99	90	70-130	
Dibromochloromethane	10.0	9.97	100	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	10.0	100	70-130	
Ethylbenzene	10.0	9.87	99	70-130	
m,p-Xylene	20.0	19.7	99	70-130	
Xylene, o-	10.0	9.61	96	70-130	
Styrene	10.0	9.61	96	70-130	
Bromoform	10.0	10.8	108	70-130	
Cumene	10.0	9.68	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70-130	
n-Propylbenzene	10.0	9.97	100	70-130	
4-Ethyltoluene	10.0	10.6	106	70-130	
1,3,5-Trimethylbenzene	10.0	8.55	86	70-130	
2-Chlorotoluene	10.0	9.96	100	70-130	
tert-Butylbenzene	10.0	8.28	83	70-130	
1,2,4-Trimethylbenzene	10.0	9.06	91	70-130	
sec-Butylbenzene	10.0	9.97	100	70-130	
4-Isopropyltoluene	10.0	10.8	108	70-130	
1,3-Dichlorobenzene	10.0	8.55	85	70-130	
1,4-Dichlorobenzene	10.0	8.68	87	70-130	
Benzyl chloride	10.0	10.7	107	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	10.2	102	70-130	
1,2,4-Trichlorobenzene	10.0	9.71	97	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	8.71	87	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington

Job No.: 200-31494-1

SDG No.: _____

Matrix: Air Level: Low

Lab File ID: 17712_03.D

Lab ID: LCS 200-99402/3

Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.70	97	70-130	
Dichlorodifluoromethane	10.0	9.60	96	70-130	
Freon 22	10.0	9.40	94	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Chloromethane	10.0	9.00	90	70-130	
n-Butane	10.0	9.46	95	70-130	
Vinyl chloride	10.0	8.59	86	70-130	
1,3-Butadiene	10.0	9.63	96	70-130	
Bromomethane	10.0	9.44	94	70-130	
Chloroethane	10.0	9.74	97	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.66	97	70-130	
Ethanol	15.0	15.1	100	70-130	
Freon TF	10.0	10.1	101	70-130	
1,1-Dichloroethene	10.0	9.83	98	70-130	
Acetone	10.0	9.74	97	70-130	
Isopropyl alcohol	10.0	9.56	96	70-130	
Carbon disulfide	10.0	11.7	117	70-130	
3-Chloropropene	10.0	10.3	103	70-130	
Methylene Chloride	10.0	9.75	98	70-130	
tert-Butyl alcohol	10.0	9.97	100	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	10.6	106	70-130	
n-Hexane	10.0	10.8	108	70-130	
1,1-Dichloroethane	10.0	9.80	98	70-130	
Vinyl acetate	10.0	11.0	110	70-130	
Ethyl acetate	10.0	11.9	119	70-130	
Methyl Ethyl Ketone	10.0	9.16	92	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	9.37	94	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	11.0	110	70-130	
2,2,4-Trimethylpentane	10.0	9.72	97	70-130	
Benzene	10.0	9.82	98	70-130	
1,2-Dichloroethane	10.0	9.30	93	70-130	
n-Heptane	10.0	9.70	97	70-130	
Trichloroethene	10.0	9.69	97	70-130	
Methyl methacrylate	10.0	10.8	108	70-130	
1,2-Dichloropropane	10.0	9.83	98	70-130	
1,4-Dioxane	10.0	9.99	100	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17712_03.D
 Lab ID: LCS 200-99402/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.1	101	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	9.57	96	70-130	
Toluene	10.0	10.5	105	70-130	
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	10.0	100	70-130	
Tetrachloroethene	10.0	10.3	103	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70-130	
Dibromochloromethane	10.0	10.9	109	70-130	
1,2-Dibromoethane	10.0	10.7	107	70-130	
Chlorobenzene	10.0	10.4	104	70-130	
Ethylbenzene	10.0	10.3	103	70-130	
m,p-Xylene	20.0	20.9	105	70-130	
Xylene, o-	10.0	10.3	103	70-130	
Styrene	10.0	10.8	108	70-130	
Bromoform	10.0	12.7	127	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70-130	
n-Propylbenzene	10.0	10.2	102	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70-130	
2-Chlorotoluene	10.0	9.90	99	70-130	
tert-Butylbenzene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	10.0	100	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.3	103	70-130	
1,3-Dichlorobenzene	10.0	10.3	103	70-130	
1,4-Dichlorobenzene	10.0	10.5	105	70-130	
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	9.94	99	70-130	
1,2-Dichlorobenzene	10.0	10.4	104	70-130	
1,2,4-Trichlorobenzene	10.0	11.0	110	70-130	
Hexachlorobutadiene	10.0	9.93	99	70-130	
Naphthalene	10.0	9.91	99	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab File ID: 17692_04.D Lab Sample ID: MB 200-99349/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: CHX.i Date Analyzed: 01/11/2016 12:57
 GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-99349/3	17692_03.D	01/11/2016 12:06
2972	200-31480-6	17692_23.D	01/12/2016 04:59

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99349/4
 Matrix: Air Lab File ID: 17692_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/11/2016 12:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99349 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99349/4
 Matrix: Air Lab File ID: 17692_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/11/2016 12:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99349 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99349/4
 Matrix: Air Lab File ID: 17692_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/11/2016 12:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99349 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160111-17692.b\17692_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 11-Jan-2016 12:57:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017692-004
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160111-17692.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Jan-2016 09:14:59 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK002

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 09:14:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.087					ND	
2 Dichlorodifluoromethane	85		3.156					ND	
3 Chlorodifluoromethane	51		3.204					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.408					ND	
5 Chloromethane	50		3.547					ND	
6 Butane	43		3.734					ND	
7 Vinyl chloride	62		3.771					ND	
8 Butadiene	54		3.846					ND	
9 Bromomethane	94		4.499					ND	
10 Chloroethane	64		4.718					ND	
11 2-Methylbutane	43		4.782					ND	
12 Vinyl bromide	106		5.087					ND	
13 Trichlorofluoromethane	101		5.173					ND	
14 Pentane	43		5.307					ND	
15 Ethanol	45		5.783					ND	
16 Ethyl ether	59		5.826					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.200					ND	
17 Acrolein	56		6.205					ND	
20 1,1-Dichloroethene	96		6.259					ND	
21 Acetone	43		6.516					ND	
22 Carbon disulfide	76		6.655					ND	
23 Isopropyl alcohol	45		6.837					ND	
24 3-Chloro-1-propene	41		7.029					ND	
25 Acetonitrile	41		7.179					ND	
26 Methylene Chloride	49	7.329	7.329	0.000	86	4425		0.1403	
T 27 Methyl Acetate TIC	43		7.568					ND	
28 2-Methyl-2-propanol	59		7.623					ND	
29 Methyl tert-butyl ether	73		7.746					ND	
30 trans-1,2-Dichloroethene	61		7.757					ND	
31 Acrylonitrile	53		7.928					ND	
32 Hexane	57		8.131					ND	
33 1,1-Dichloroethane	63		8.640					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		8.714					ND	
35 cis-1,2-Dichloroethene	96		9.779					ND	
36 2-Butanone (MEK)	72		9.843					ND	
37 Ethyl acetate	88		9.875					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
* 40 Chlorobromomethane	128	10.261	10.261	0.000	76	392567	10.0	10.0	
39 Tetrahydrofuran	42		10.287					ND	
41 Chloroform	83		10.400					ND	
42 Cyclohexane	84		10.651					ND	
43 1,1,1-Trichloroethane	97		10.683					ND	
44 Carbon tetrachloride	117		10.940					ND	
45 Isooctane	57		11.400					ND	
46 Benzene	78		11.443					ND	
47 1,2-Dichloroethane	62		11.646					ND	
48 n-Heptane	43		11.807					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.331	12.331	0.000	93	2320402	10.0	10.0	
51 n-Butanol	56		12.823					ND	
52 Trichloroethene	95		12.839					ND	
53 1,2-Dichloropropane	63		13.438					ND	
54 Methyl methacrylate	69		13.609					ND	
55 1,4-Dioxane	88		13.690					ND	
56 Dibromomethane	174		13.711					ND	
57 Dichlorobromomethane	83		14.016					ND	
58 cis-1,3-Dichloropropene	75		14.990					ND	
A 60 TVOC as Toluene	1	15.188	(3.054-27.310)		0	6337790		48.6	
A 59 Total Hydrocarbons	1	15.188	(3.054-27.310)		0	6337790		NC	
61 4-Methyl-2-pentanone (MIBK)	43		15.321					ND	
62 Toluene	92		15.605					ND	
A 65 GRO	1	15.653	(15.653-15.653)		0	12118		0	
66 n-Octane	43		15.653					ND	
67 trans-1,3-Dichloropropene	75		16.247					ND	
68 1,1,2-Trichloroethane	83		16.637					ND	
69 Tetrachloroethene	166		16.739					ND	
70 2-Hexanone	43		17.130					ND	
71 Chlorodibromomethane	129		17.445					ND	
72 Ethylene Dibromide	107		17.734					ND	
* 73 Chlorobenzene-d5	117	18.670	18.670	0.000	82	2114726	10.0	10.0	
74 Chlorobenzene	112		18.740					ND	
75 Ethylbenzene	91		18.890					ND	
76 n-Nonane	57		19.013					ND	
77 m-Xylene & p-Xylene	106		19.157					ND	
S 80 Xylenes, Total	106		20.000					ND	
78 o-Xylene	106		20.056					ND	
79 Styrene	104		20.115					ND	
81 Bromoform	173		20.575					ND	
82 Isopropylbenzene	105		20.783					ND	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					ND	
85 1,1,2,2-Tetrachloroethane	83		21.490					ND	
86 N-Propylbenzene	91		21.548					ND	
87 1,2,3-Trichloropropane	75		21.591					ND	
88 n-Decane	57		21.730					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 4-Ethyltoluene	105		21.752					ND	
90 2-Chlorotoluene	91		21.762					ND	
91 1,3,5-Trimethylbenzene	105		21.864					ND	
92 Alpha Methyl Styrene	118		22.249					ND	
93 tert-Butylbenzene	119		22.372					ND	
94 1,2,4-Trimethylbenzene	105		22.474					ND	
95 sec-Butylbenzene	105		22.709					ND	
96 4-Isopropyltoluene	119		22.918					ND	
97 1,3-Dichlorobenzene	146		22.955					ND	
98 1,4-Dichlorobenzene	146		23.100					ND	
99 Benzyl chloride	91		23.303					ND	
101 n-Butylbenzene	91		23.517					ND	
100 Undecane	57		23.533					ND	
102 1,2-Dichlorobenzene	146		23.656					ND	
103 Dodecane	57		25.170					ND	
104 1,2,4-Trichlorobenzene	180	26.256	26.256	0.000	89	3397		0.0251	
105 Hexachlorobutadiene	225	26.443	26.443	0.000	83	1204		0.009677	
106 Naphthalene	128	26.759	26.759	0.000	63	3567		0.0129	
107 1,2,3-Trichlorobenzene	180	27.262	27.262	0.000	94	3054		0.0272	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160111-17692.b\17692_04.D

Injection Date: 11-Jan-2016 12:57:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

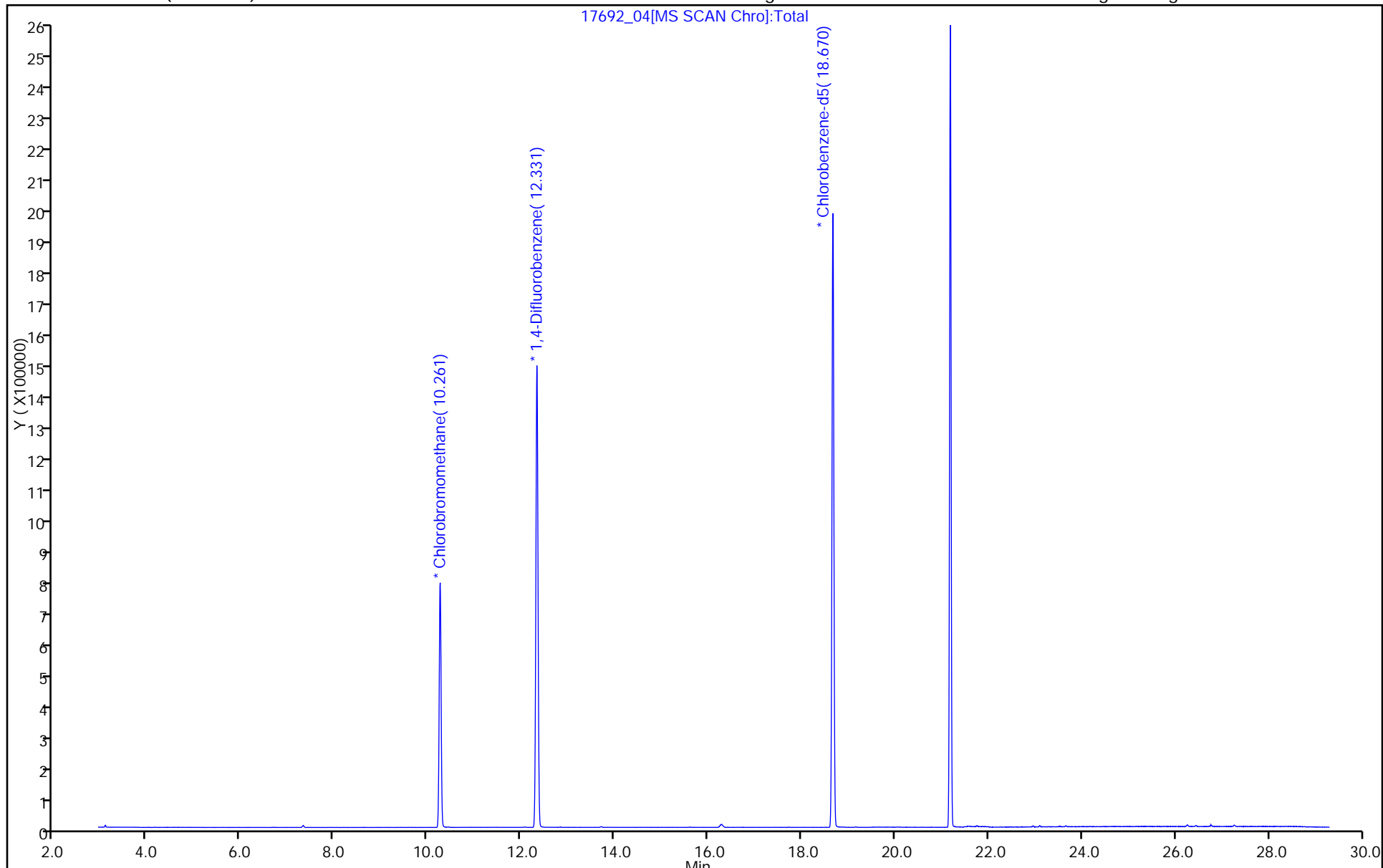
ALS Bottle#: 3

Method: TO15_LL NJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



17692_04[MS SCAN Chro]:Total

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab File ID: 17712_04.D Lab Sample ID: MB 200-99402/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: CHG.i Date Analyzed: 01/12/2016 12:29
 GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-99402/3	17712_03.D	01/12/2016 11:37
4573	200-31494-9	17712_06.D	01/12/2016 15:42

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99402/4
 Matrix: Air Lab File ID: 17712_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/12/2016 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99402 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99402/4
 Matrix: Air Lab File ID: 17712_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/12/2016 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99402 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99402/4
 Matrix: Air Lab File ID: 17712_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/12/2016 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99402 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\17712_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 12-Jan-2016 12:29:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017712-004
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Jan-2016 15:13:35 Calib Date: 07-Jan-2016 23:17:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160107-17658.b\17658_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: daiglep

Date: 13-Jan-2016 14:55:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.741					ND	
2 Dichlorodifluoromethane	85		2.811					ND	
3 Chlorodifluoromethane	51		2.854					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.062					ND	
5 Chloromethane	50	3.186	3.180	0.006	32	3093		0.0643	
6 Butane	43		3.383					ND	
7 Vinyl chloride	62		3.410					ND	
8 Butadiene	54		3.490					ND	
10 Bromomethane	94		4.132					ND	
11 Chloroethane	64		4.368					ND	
12 2-Methylbutane	43		4.469					ND	
13 Vinyl bromide	106		4.758					ND	
14 Trichlorofluoromethane	101		4.876					ND	
16 Pentane	43		5.036					ND	
17 Ethanol	45		5.443					ND	
18 Ethyl ether	59		5.555					ND	
19 Acrolein	56	5.914	5.887	0.027	26	1165		0.1343	
20 1,1,2-Trichloro-1,2,2-trif	101		5.978					ND	
21 1,1-Dichloroethene	96		5.989					ND	
22 Acetone	43	6.240	6.203	0.037	100	31066		0.5708	
23 Carbon disulfide	76		6.363					ND	
24 Isopropyl alcohol	45		6.545					ND	
25 3-Chloro-1-propene	41		6.775					ND	
26 Acetonitrile	41		6.845					ND	
27 Methylene Chloride	49	7.064	7.059	0.005	80	9556		0.1847	
28 2-Methyl-2-propanol	59		7.337					ND	
29 Methyl tert-butyl ether	73		7.524					ND	
31 trans-1,2-Dichloroethene	61		7.529					ND	
32 Acrylonitrile	53		7.626					ND	
33 Hexane	57		7.968					ND	
34 1,1-Dichloroethane	63		8.391					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		8.492					ND	
37 cis-1,2-Dichloroethene	96		9.493					ND	
38 2-Butanone (MEK)	72	9.600	9.546	0.054	70	959		0.0470	
39 Ethyl acetate	88		9.637					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
* 40 Chlorobromomethane	128	9.942	9.942	0.000	71	697747	10.0	10.0	
41 Tetrahydrofuran	42		9.985					ND	
42 Chloroform	83		10.092					ND	
43 Cyclohexane	84		10.381					ND	
44 1,1,1-Trichloroethane	97		10.381					ND	
45 Carbon tetrachloride	117		10.643					ND	
47 Benzene	78		11.082					ND	
46 Isooctane	57		11.135					ND	
48 1,2-Dichloroethane	62		11.231					ND	
49 n-Heptane	43		11.531					ND	
* 50 1,4-Difluorobenzene	114	11.927	11.927	0.000	92	3099014	10.0	10.0	
52 n-Butanol	56		12.344					ND	
53 Trichloroethene	95		12.392					ND	
A 51 GRO	1	12.812	(4.459-21.165)		0	1781795		0	
54 1,2-Dichloropropane	63		12.906					ND	
55 Methyl methacrylate	69		13.136					ND	
57 Dibromomethane	174		13.152					ND	
56 1,4-Dioxane	88		13.157					ND	
58 Dichlorobromomethane	83		13.468					ND	
60 cis-1,3-Dichloropropene	75		14.441					ND	
A 59 TVOC as Toluene	92	14.479	(2.731-26.226)		0	2099675		0	
61 4-Methyl-2-pentanone (MIBK)	43		14.768					ND	
65 Toluene	92		15.083					ND	
A 63 Toluene Range	92	15.083	(15.043-15.123)		0	17009		NC	
64 n-Octane	43		15.244					ND	
A 62 C8 Range	1	15.258	(15.194-15.294)		0	10253		NC	
66 trans-1,3-Dichloropropene	75		15.688					ND	
67 1,1,2-Trichloroethane	83		16.057					ND	
68 Tetrachloroethene	166		16.228					ND	
69 2-Hexanone	43		16.560					ND	
71 Chlorodibromomethane	129		16.843					ND	
72 Ethylene Dibromide	107		17.111					ND	
* 74 Chlorobenzene-d5	117	18.058	18.063	-0.005	90	2749243	10.0	10.0	
75 Chlorobenzene	112		18.122					ND	
76 Ethylbenzene	91		18.304					ND	
77 n-Nonane	57		18.518					ND	
78 m-Xylene & p-Xylene	106		18.561					ND	
79 o-Xylene	106		19.406					ND	
80 Styrene	104		19.454					ND	
S 73 Xylenes, Total	106		19.600					ND	
81 Bromoform	173		19.860					ND	
82 Isopropylbenzene	105		20.149					ND	
* 83 4-Bromofluorobenzene	95	20.508	20.513	-0.005	95	1607432	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83		20.786					ND	
86 1,2,3-Trichloropropane	75		20.882					ND	
85 N-Propylbenzene	91		20.909					ND	
89 2-Chlorotoluene	91		21.096					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 4-Ethyltoluene	105		21.107					ND	
87 n-Decane	57		21.155					ND	
90 1,3,5-Trimethylbenzene	105		21.219					ND	
91 Alpha Methyl Styrene	118		21.594					ND	
92 tert-Butylbenzene	119		21.722					ND	
93 1,2,4-Trimethylbenzene	105		21.818					ND	
94 sec-Butylbenzene	105		22.059					ND	
95 4-Isopropyltoluene	119		22.268					ND	
96 1,3-Dichlorobenzene	146	22.273	22.273	0.000	18	2382		0.0121	
97 1,4-Dichlorobenzene	146	22.413	22.412	0.001	28	2561		0.0137	
98 Benzyl chloride	91		22.594					ND	
100 n-Butylbenzene	91		22.835					ND	
99 Undecane	57		22.904					ND	
101 1,2-Dichlorobenzene	146	22.937	22.926	0.011	21	1878		0.0104	
102 Dodecane	57		24.434					ND	
103 1,2,4-Trichlorobenzene	180	25.339	25.328	0.011	4	6054		0.0475	
104 Hexachlorobutadiene	225		25.537					ND	
105 Naphthalene	128	25.772	25.761	0.011	47	12216		0.0603	
106 1,2,3-Trichlorobenzene	180	26.227	26.216	0.011	59	5768		0.0530	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 15 Methyl Acetate TIC	43		0.000					ND	
T 36 Methyl cyclohexane TIC	55		0.000					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\17712_04.D

Injection Date: 12-Jan-2016 12:29:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

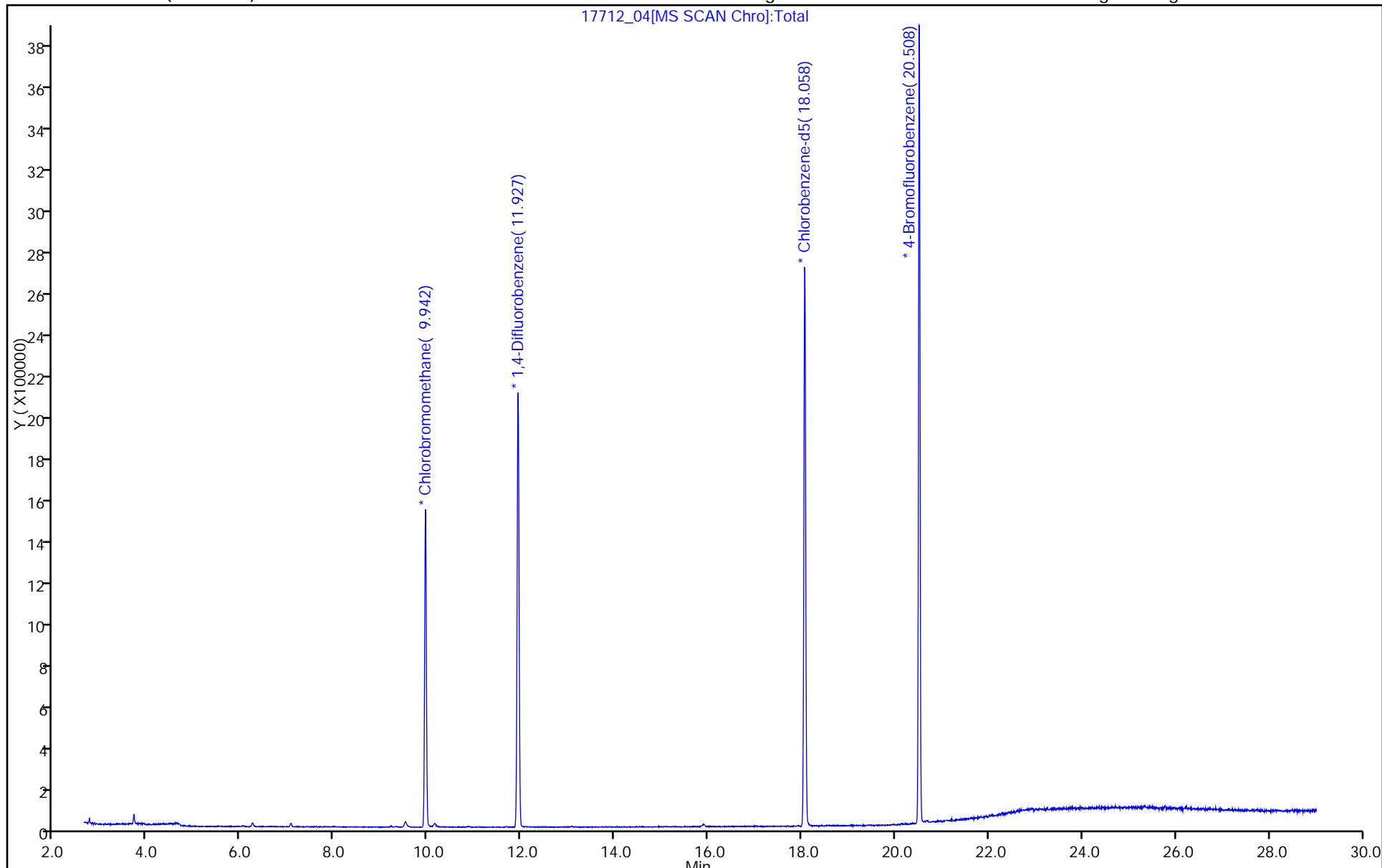
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab File ID: 17105_01.D BFB Injection Date: 12/02/2015
 Instrument ID: CHX.i BFB Injection Time: 15:20
 Analysis Batch No.: 97814

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.2	
75	30.0 - 66.0% of mass 95	41.0	
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	0.7	(0.7) 1
174	50.0 - 120.0% of mass 95	97.6	
175	4.0 - 9.0 % of mass 174	6.8	(7.0) 1
176	93.0 - 101.0% of mass 174	94.6	(96.9) 1
177	5.0 - 9.0% of mass 176	6.1	(6.5) 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 200-97814/3	17105_03.D	12/02/2015	17:08
	IC 200-97814/4	17105_04.D	12/02/2015	17:58
	IC 200-97814/5	17105_05.D	12/02/2015	18:49
	IC 200-97814/6	17105_06.D	12/02/2015	19:39
	ICIS 200-97814/7	17105_07.D	12/02/2015	20:30
	IC 200-97814/8	17105_08.D	12/02/2015	21:21
	IC 200-97814/9	17105_09.D	12/02/2015	22:12
	IC 200-97814/10	17105_10.D	12/02/2015	23:02
	ICV 200-97814/13	17105_13.D	12/03/2015	01:34

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab File ID: 17692_01.D BFB Injection Date: 01/11/2016
 Instrument ID: CHX.i BFB Injection Time: 10:04
 Analysis Batch No.: 99349

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.7	
75	30.0 - 66.0% of mass 95	40.6	
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	0.7	(0.7) 1
174	50.0 - 120.0% of mass 95	99.0	
175	4.0 - 9.0 % of mass 174	7.0	(7.1) 1
176	93.0 - 101.0% of mass 174	95.8	(96.7) 1
177	5.0 - 9.0% of mass 176	6.2	(6.5) 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 200-99349/2	17692_02.D	01/11/2016	11:15
	LCS 200-99349/3	17692_03.D	01/11/2016	12:06
	MB 200-99349/4	17692_04.D	01/11/2016	12:57
2972	200-31480-6	17692_23.D	01/12/2016	04:59

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab File ID: 17658_01.D BFB Injection Date: 01/07/2016
 Instrument ID: CHG.i BFB Injection Time: 15:37
 Analysis Batch No.: 99268

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	22.6	
75	30.0 - 66.0% of mass 95	55.0	
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	0.4	(0.4) 1
174	50.0 - 120.0% of mass 95	93.5	
175	4.0 - 9.0 % of mass 174	6.6	(7.0) 1
176	93.0 - 101.0% of mass 174	92.5	(98.9) 1
177	5.0 - 9.0% of mass 176	5.7	(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 200-99268/3	17658_03.D	01/07/2016	17:18
	IC 200-99268/4	17658_04.D	01/07/2016	18:10
	IC 200-99268/5	17658_05.D	01/07/2016	19:01
	IC 200-99268/6	17658_06.D	01/07/2016	19:52
	ICIS 200-99268/7	17658_07.D	01/07/2016	20:43
	IC 200-99268/8	17658_08.D	01/07/2016	21:34
	IC 200-99268/9	17658_09.D	01/07/2016	22:26
	IC 200-99268/10	17658_10.D	01/07/2016	23:17
	ICV 200-99268/13	17658_13.D	01/08/2016	01:50

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab File ID: 17712_01.D BFB Injection Date: 01/12/2016
 Instrument ID: CHG.i BFB Injection Time: 09:56
 Analysis Batch No.: 99402

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.2	
75	30.0 - 66.0% of mass 95	47.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.5) 1
174	50.0 - 120.0% of mass 95	95.8	
175	4.0 - 9.0 % of mass 174	6.9	(7.2) 1
176	93.0 - 101.0% of mass 174	94.3	(98.5) 1
177	5.0 - 9.0% of mass 176	6.1	(6.4) 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 200-99402/2	17712_02.D	01/12/2016	10:46
	LCS 200-99402/3	17712_03.D	01/12/2016	11:37
	MB 200-99402/4	17712_04.D	01/12/2016	12:29
4573	200-31494-9	17712_06.D	01/12/2016	15:42

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Sample No.: ICIS 200-97814/7 Date Analyzed: 12/02/2015 20:30
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17105_07.D Heated Purge: (Y/N) N
 Calibration ID: 32893

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	269793	10.27	1512521	12.34	1410922	18.68
UPPER LIMIT	377710	10.60	2117529	12.67	1975291	19.01
LOWER LIMIT	161876	9.94	907513	12.01	846553	18.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-97814/13	278960	10.27	1568240	12.34	1468004	18.68

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Sample No.: CCVIS 200-99349/2 Date Analyzed: 01/11/2016 11:15
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17692_02.D Heated Purge: (Y/N) N
 Calibration ID: 32893

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	418037	10.27	2366243	12.34	2246231	18.67	
UPPER LIMIT	585252	10.60	3312740	12.67	3144723	19.00	
LOWER LIMIT	250822	9.94	1419746	12.01	1347739	18.34	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-99349/3	406824	10.27	2333321	12.34	2172682	18.68	
MB 200-99349/4	392567	10.26	2320402	12.33	2114726	18.67	
200-31480-6	2972	375592	10.27	2102730	12.35	1912747	18.68

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Sample No.: ICIS 200-99268/7 Date Analyzed: 01/07/2016 20:43
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17658_07.D Heated Purge: (Y/N) N
 Calibration ID: 33229

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	709808	9.94	3086008	11.93	2860778	18.06
UPPER LIMIT	993731	10.27	4320411	12.26	4005089	18.39
LOWER LIMIT	425885	9.61	1851605	11.60	1716467	17.73
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-99268/13	713080	9.95	2973091	11.93	2738854	18.06

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Sample No.: CCVIS 200-99402/2 Date Analyzed: 01/12/2016 10:46
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17712_02.D Heated Purge: (Y/N) N
 Calibration ID: 33229

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	710014	9.94	3130344	11.93	2931910	18.06	
UPPER LIMIT	994020	10.27	4382482	12.26	4104674	18.39	
LOWER LIMIT	426008	9.61	1878206	11.60	1759146	17.73	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-99402/3		711708	9.95	3143756	11.93	3046185	18.06
MB 200-99402/4		697747	9.94	3099014	11.93	2749243	18.06
200-31494-9	4573	580118	9.94	2560612	11.92	2159890	18.06

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Client Sample ID: 2972 Lab Sample ID: 200-31480-6
 Matrix: Air Lab File ID: 17692_23.D
 Analysis Method: TO-15 Date Collected: 01/08/2016 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/12/2016 04:59
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99349 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Client Sample ID: 2972 Lab Sample ID: 200-31480-6
 Matrix: Air Lab File ID: 17692_23.D
 Analysis Method: TO-15 Date Collected: 01/08/2016 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/12/2016 04:59
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99349 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Client Sample ID: 2972 Lab Sample ID: 200-31480-6
 Matrix: Air Lab File ID: 17692_23.D
 Analysis Method: TO-15 Date Collected: 01/08/2016 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/12/2016 04:59
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99349 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160111-17692.b\17692_23.D
 Lims ID: 200-31480-A-6 Lab Sample ID: 200-31480-6
 Client ID: 2972
 Sample Type: Client
 Inject. Date: 12-Jan-2016 04:59:30 ALS Bottle#: 4 Worklist Smp#: 23
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0017692-023
 Misc. Info.: 31480-6
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20160111-17692.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Jan-2016 11:12:13 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK002

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 11:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.087				ND	
2 Dichlorodifluoromethane	85		3.156				ND	
3 Chlorodifluoromethane	51		3.204				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.408				ND	
5 Chloromethane	50		3.547				ND	
6 Butane	43		3.734				ND	
7 Vinyl chloride	62		3.771				ND	
8 Butadiene	54		3.846				ND	
9 Bromomethane	94		4.499				ND	
10 Chloroethane	64		4.718				ND	
12 Vinyl bromide	106		5.087				ND	
13 Trichlorofluoromethane	101		5.173				ND	
15 Ethanol	45		5.783				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.200				ND	
20 1,1-Dichloroethene	96		6.259				ND	
21 Acetone	43		6.516				ND	
22 Carbon disulfide	76		6.655				ND	
23 Isopropyl alcohol	45		6.837				ND	
24 3-Chloro-1-propene	41		7.029				ND	
26 Methylene Chloride	49	7.350	7.329	0.021	84	4081	0.1352	
28 2-Methyl-2-propanol	59		7.623				ND	
29 Methyl tert-butyl ether	73		7.746				ND	
30 trans-1,2-Dichloroethene	61		7.757				ND	
32 Hexane	57		8.131				ND	
33 1,1-Dichloroethane	63		8.640				ND	
34 Vinyl acetate	43		8.714				ND	
35 cis-1,2-Dichloroethene	96		9.779				ND	
36 2-Butanone (MEK)	72		9.843				ND	
37 Ethyl acetate	88		9.875				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.271	10.261	0.011	76	375592	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Tetrahydrofuran	42		10.287				ND	
41 Chloroform	83		10.400				ND	
42 Cyclohexane	84		10.651				ND	
43 1,1,1-Trichloroethane	97		10.683				ND	
44 Carbon tetrachloride	117		10.940				ND	
45 Isooctane	57		11.400				ND	
46 Benzene	78		11.443				ND	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.807				ND	
* 50 1,4-Difluorobenzene	114	12.347	12.331	0.016	92	2102730	10.0	
52 Trichloroethene	95		12.839				ND	
53 1,2-Dichloropropane	63		13.438				ND	
54 Methyl methacrylate	69		13.609				ND	
55 1,4-Dioxane	88		13.690				ND	
56 Dibromomethane	174		13.711				ND	
57 Dichlorobromomethane	83		14.016				ND	
58 cis-1,3-Dichloropropene	75		14.990				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.321				ND	
62 Toluene	92		15.605				ND	
67 trans-1,3-Dichloropropene	75		16.247				ND	
68 1,1,2-Trichloroethane	83		16.637				ND	
69 Tetrachloroethene	166		16.739				ND	
70 2-Hexanone	43		17.130				ND	
71 Chlorodibromomethane	129		17.445				ND	
72 Ethylene Dibromide	107		17.734				ND	
* 73 Chlorobenzene-d5	117	18.676	18.670	0.006	84	1912747	10.0	
74 Chlorobenzene	112		18.740				ND	
75 Ethylbenzene	91		18.890				ND	
77 m-Xylene & p-Xylene	106		19.157				ND	
S 80 Xylenes, Total	106		20.000				ND	
78 o-Xylene	106		20.056				ND	
79 Styrene	104		20.115				ND	
81 Bromoform	173		20.575				ND	
82 Isopropylbenzene	105		20.783				ND	
85 1,1,2,2-Tetrachloroethane	83		21.490				ND	
86 N-Propylbenzene	91		21.548				ND	
89 4-Ethyltoluene	105		21.752				ND	
90 2-Chlorotoluene	91		21.762				ND	
91 1,3,5-Trimethylbenzene	105		21.864				ND	
93 tert-Butylbenzene	119		22.372				ND	
94 1,2,4-Trimethylbenzene	105		22.474				ND	
95 sec-Butylbenzene	105		22.709				ND	
96 4-Isopropyltoluene	119		22.918				ND	
97 1,3-Dichlorobenzene	146		22.955				ND	
98 1,4-Dichlorobenzene	146		23.100				ND	
99 Benzyl chloride	91		23.303				ND	
101 n-Butylbenzene	91		23.517				ND	
102 1,2-Dichlorobenzene	146		23.656				ND	
104 1,2,4-Trichlorobenzene	180		26.256				ND	
105 Hexachlorobutadiene	225		26.443				ND	
106 Naphthalene	128		26.759				ND	

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20160111-17692.b\17692_23.D

Injection Date: 12-Jan-2016 04:59:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-31480-A-6

Lab Sample ID: 200-31480-6

Worklist Smp#: 23

Client ID: 2972

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

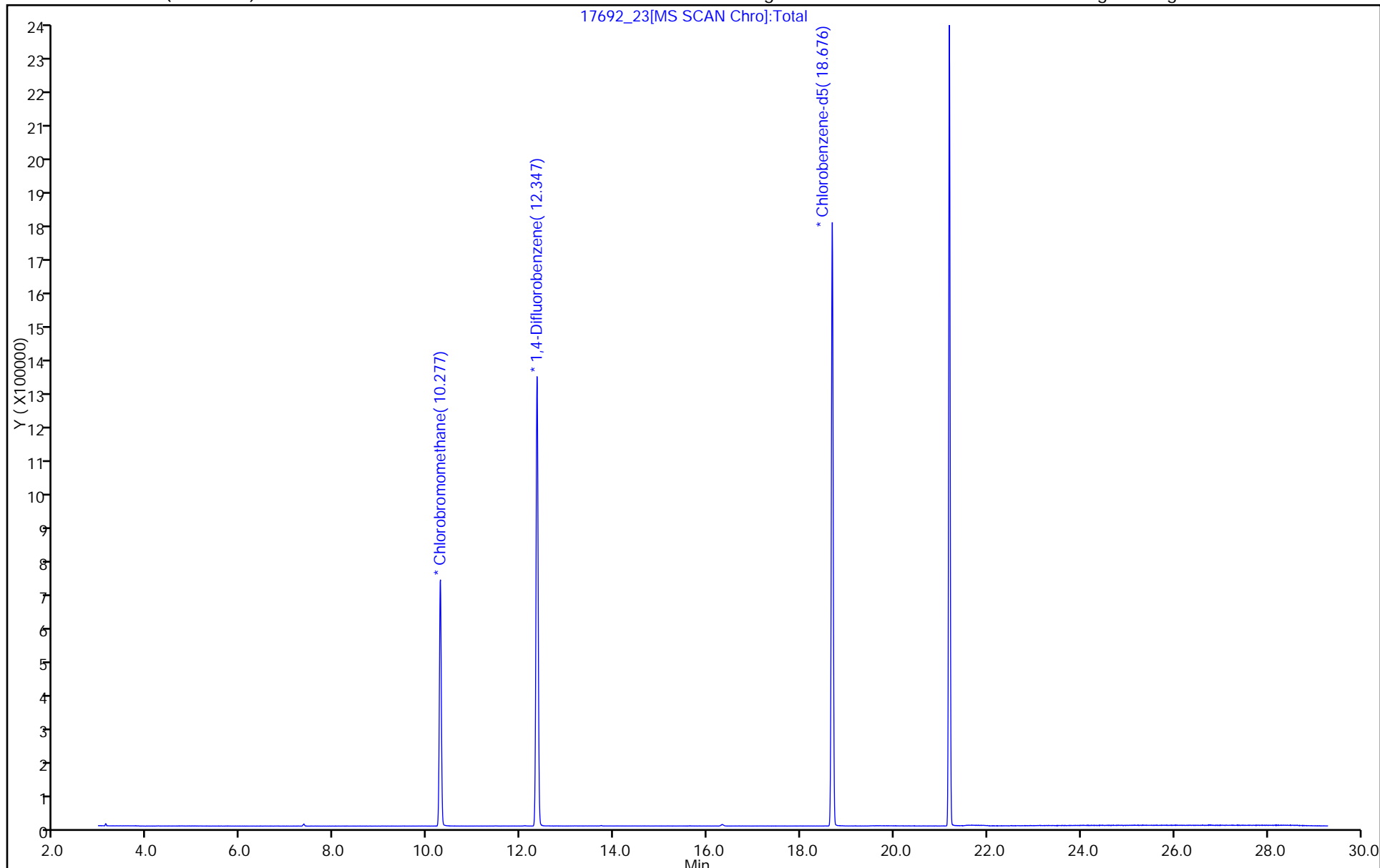
ALS Bottle#: 4

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Client Sample ID: 4573 Lab Sample ID: 200-31494-9
 Matrix: Air Lab File ID: 17712_06.D
 Analysis Method: TO-15 Date Collected: 01/11/2016 00:00
 Sample wt/vol: 1000(mL) Date Analyzed: 01/12/2016 15:42
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99402 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Client Sample ID: 4573 Lab Sample ID: 200-31494-9
 Matrix: Air Lab File ID: 17712_06.D
 Analysis Method: TO-15 Date Collected: 01/11/2016 00:00
 Sample wt/vol: 1000(mL) Date Analyzed: 01/12/2016 15:42
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99402 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Client Sample ID: 4573 Lab Sample ID: 200-31494-9
 Matrix: Air Lab File ID: 17712_06.D
 Analysis Method: TO-15 Date Collected: 01/11/2016 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/12/2016 15:42
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 99402 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\17712_06.D
 Lims ID: 200-31494-A-9 Lab Sample ID: 200-31494-9
 Client ID: 4573
 Sample Type: Client
 Inject. Date: 12-Jan-2016 15:42:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0017712-006
 Misc. Info.: 31494-09
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Jan-2016 15:13:35 Calib Date: 07-Jan-2016 23:17:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20160107-17658.b\17658_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: daiglep

Date: 13-Jan-2016 15:05:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.741				ND	
2 Dichlorodifluoromethane	85		2.811				ND	
3 Chlorodifluoromethane	51		2.854				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.062				ND	
5 Chloromethane	50	3.186	3.180	0.006	34	1771	0.0442	
6 Butane	43		3.383				ND	
7 Vinyl chloride	62		3.410				ND	
8 Butadiene	54		3.490				ND	
10 Bromomethane	94		4.132				ND	
11 Chloroethane	64		4.368				ND	
13 Vinyl bromide	106		4.758				ND	
14 Trichlorofluoromethane	101		4.876				ND	
17 Ethanol	45		5.443				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		5.978				ND	
21 1,1-Dichloroethene	96	5.978	5.989	-0.011	1	706	0.0157	
22 Acetone	43		6.203				ND	
23 Carbon disulfide	76		6.363				ND	
24 Isopropyl alcohol	45		6.545				ND	
25 3-Chloro-1-propene	41		6.775				ND	
27 Methylene Chloride	49	7.064	7.059	0.005	80	3984	0.0926	M
28 2-Methyl-2-propanol	59		7.337				ND	
29 Methyl tert-butyl ether	73		7.524				ND	
31 trans-1,2-Dichloroethene	61		7.529				ND	
33 Hexane	57		7.968				ND	
34 1,1-Dichloroethane	63		8.391				ND	
35 Vinyl acetate	43		8.492				ND	
37 cis-1,2-Dichloroethene	96		9.493				ND	
38 2-Butanone (MEK)	72		9.546				ND	
39 Ethyl acetate	88		9.637				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
* 40 Chlorobromomethane	128	9.937	9.942	-0.005	72	580118	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		9.985				ND	
42 Chloroform	83		10.092				ND	
43 Cyclohexane	84		10.381				ND	
44 1,1,1-Trichloroethane	97		10.381				ND	
45 Carbon tetrachloride	117		10.643				ND	
47 Benzene	78		11.082				ND	
46 Isooctane	57		11.135				ND	
48 1,2-Dichloroethane	62		11.231				ND	
49 n-Heptane	43		11.531				ND	
* 50 1,4-Difluorobenzene	114	11.922	11.927	-0.005	92	2560612	10.0	
53 Trichloroethene	95		12.392				ND	
54 1,2-Dichloropropane	63		12.906				ND	
55 Methyl methacrylate	69		13.136				ND	
57 Dibromomethane	174		13.152				ND	
56 1,4-Dioxane	88		13.157				ND	
58 Dichlorobromomethane	83		13.468				ND	
60 cis-1,3-Dichloropropene	75		14.441				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.768				ND	
65 Toluene	92		15.083				ND	
66 trans-1,3-Dichloropropene	75		15.688				ND	
67 1,1,2-Trichloroethane	83		16.057				ND	
68 Tetrachloroethene	166		16.228				ND	
69 2-Hexanone	43		16.560				ND	
71 Chlorodibromomethane	129		16.843				ND	
72 Ethylene Dibromide	107		17.111				ND	
* 74 Chlorobenzene-d5	117	18.058	18.063	-0.005	87	2159890	10.0	
75 Chlorobenzene	112		18.122				ND	
76 Ethylbenzene	91		18.304				ND	
78 m-Xylene & p-Xylene	106		18.561				ND	
79 o-Xylene	106		19.406				ND	
80 Styrene	104		19.454				ND	
S 73 Xylenes, Total	106		19.600				ND	
81 Bromoform	173		19.860				ND	
82 Isopropylbenzene	105		20.149				ND	
84 1,1,2,2-Tetrachloroethane	83		20.786				ND	
85 N-Propylbenzene	91		20.909				ND	
89 2-Chlorotoluene	91		21.096				ND	
88 4-Ethyltoluene	105		21.107				ND	
90 1,3,5-Trimethylbenzene	105		21.219				ND	
92 tert-Butylbenzene	119		21.722				ND	
93 1,2,4-Trimethylbenzene	105		21.818				ND	
94 sec-Butylbenzene	105		22.059				ND	
95 4-Isopropyltoluene	119		22.268				ND	
96 1,3-Dichlorobenzene	146		22.273				ND	
97 1,4-Dichlorobenzene	146		22.412				ND	
98 Benzyl chloride	91		22.594				ND	
100 n-Butylbenzene	91		22.835				ND	
101 1,2-Dichlorobenzene	146		22.926				ND	
103 1,2,4-Trichlorobenzene	180		25.328				ND	
104 Hexachlorobutadiene	225		25.537				ND	
105 Naphthalene	128		25.761				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00011

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\17712_06.D

Injection Date: 12-Jan-2016 15:42:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: 200-31494-A-9

Lab Sample ID: 200-31494-9

Worklist Smp#: 6

Client ID: 4573

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

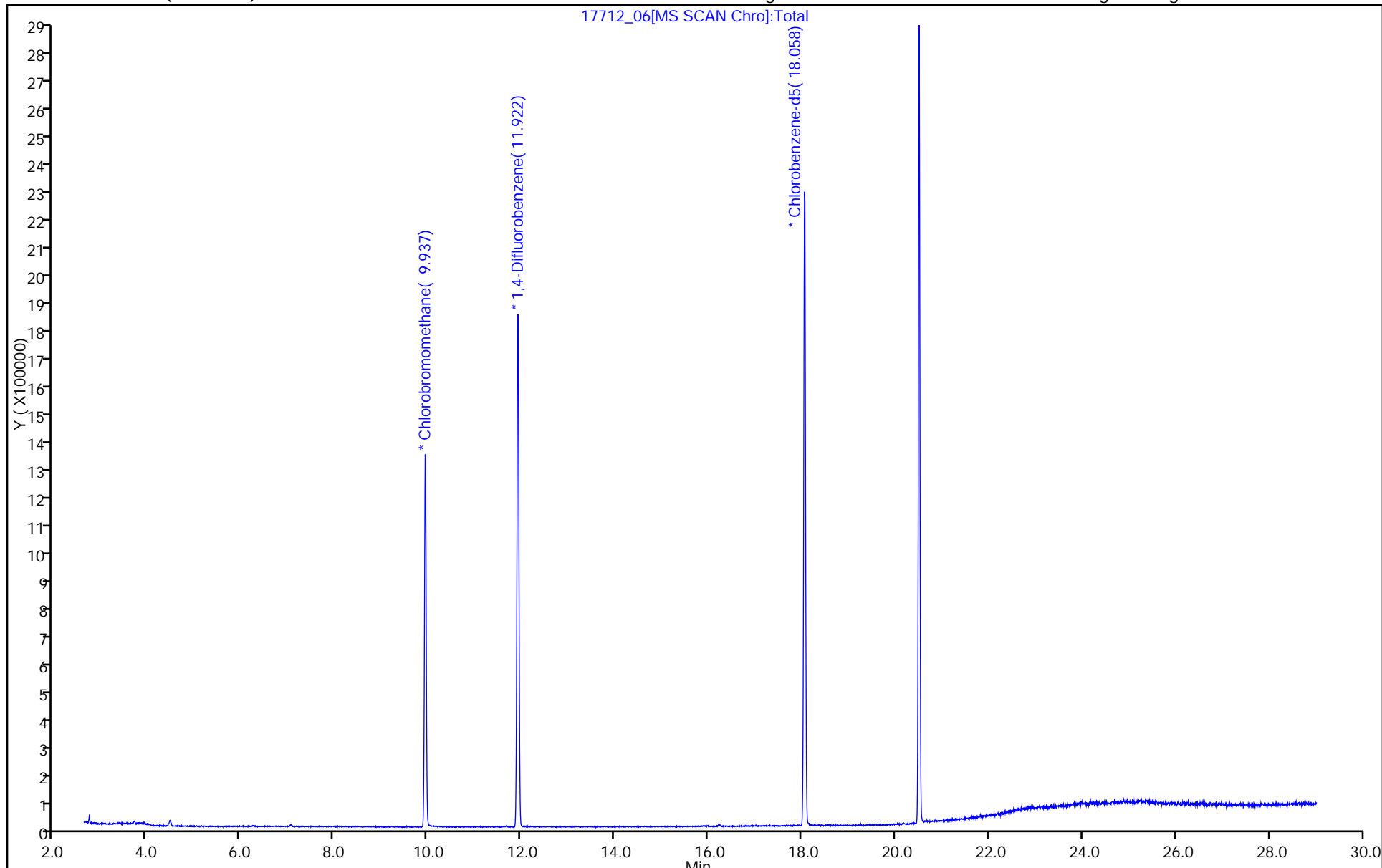
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



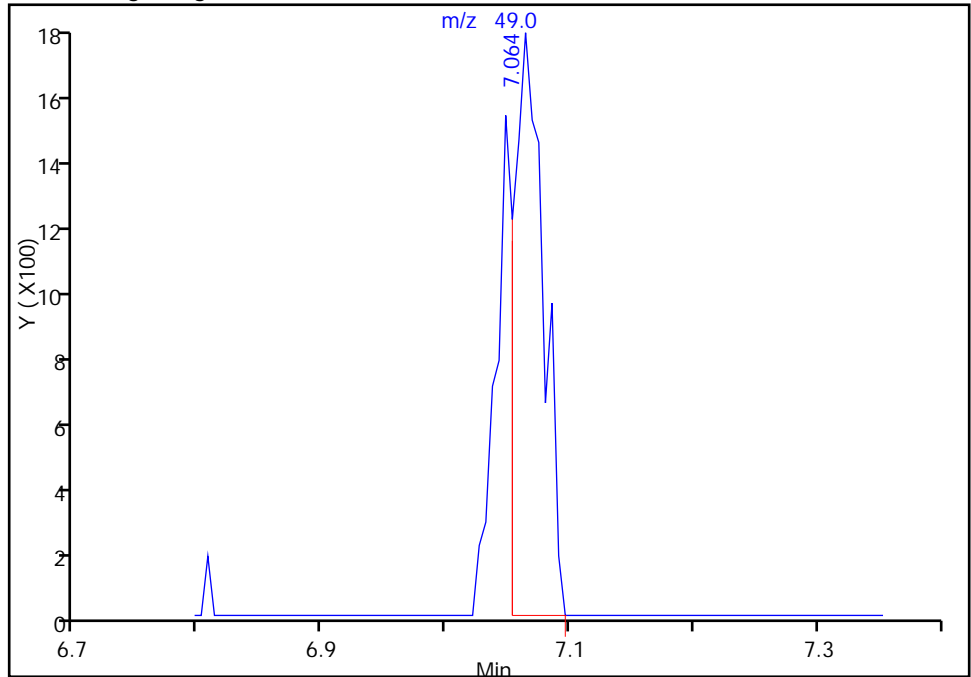
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\17712_06.D
Injection Date: 12-Jan-2016 15:42:30 Instrument ID: CHG.i
Lims ID: 200-31494-A-9 Lab Sample ID: 200-31494-9
Client ID: 4573
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

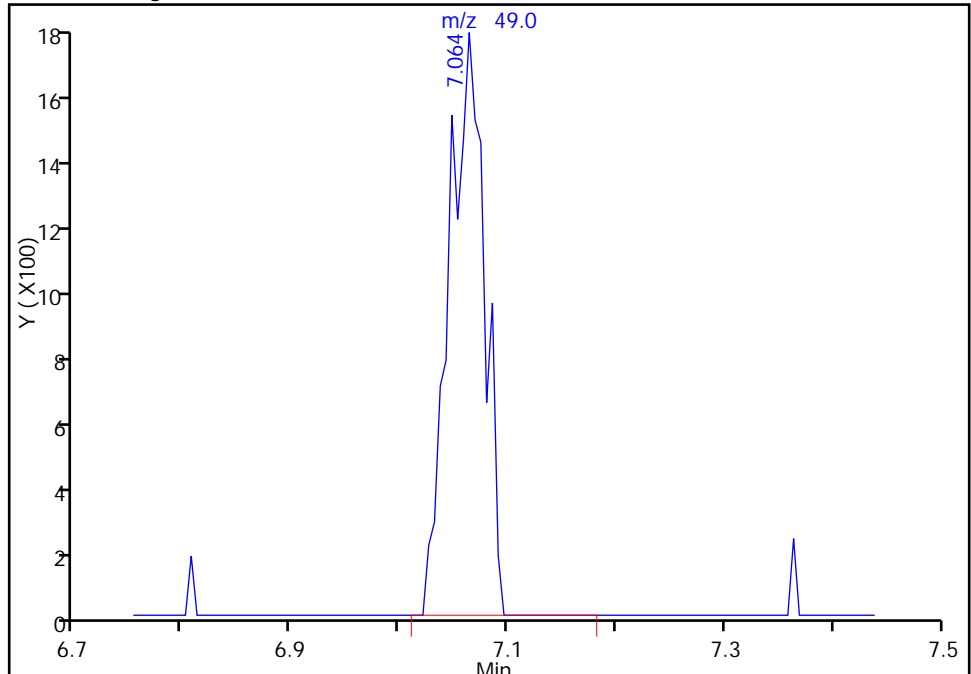
RT: 7.06
Area: 2884
Amount: 0.067037
Amount Units: ppb v/v

Processing Integration Results



RT: 7.06
Area: 3984
Amount: 0.092606
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 13-Jan-2016 15:05:31
Audit Action: Manually Integrated
Audit Reason: Baseline

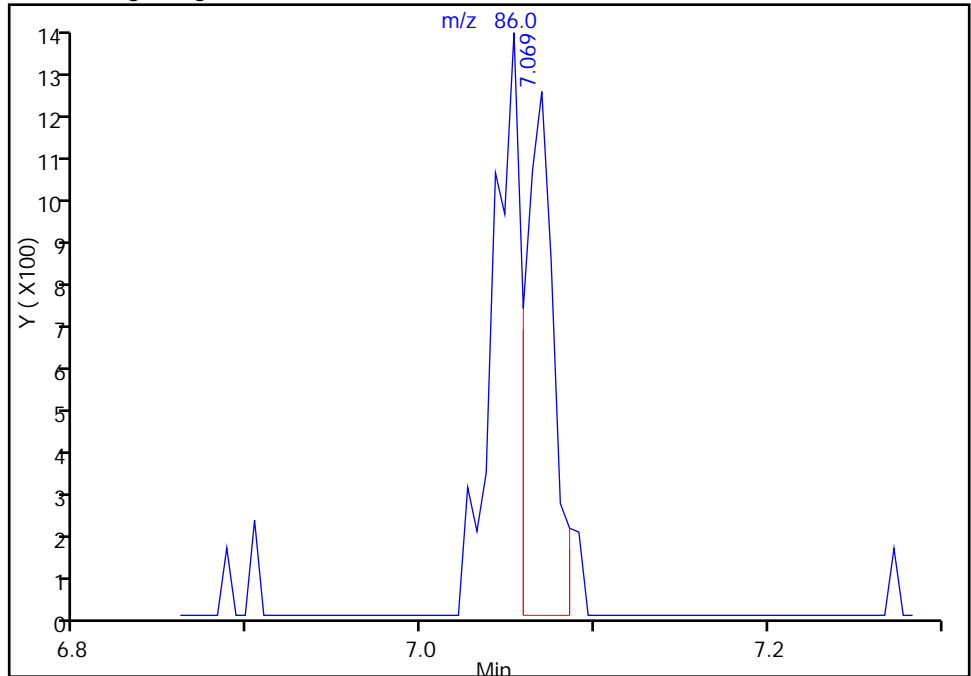
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20160112-17712.b\17712_06.D
Injection Date: 12-Jan-2016 15:42:30 Instrument ID: CHG.i
Lims ID: 200-31494-A-9 Lab Sample ID: 200-31494-9
Client ID: 4573
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

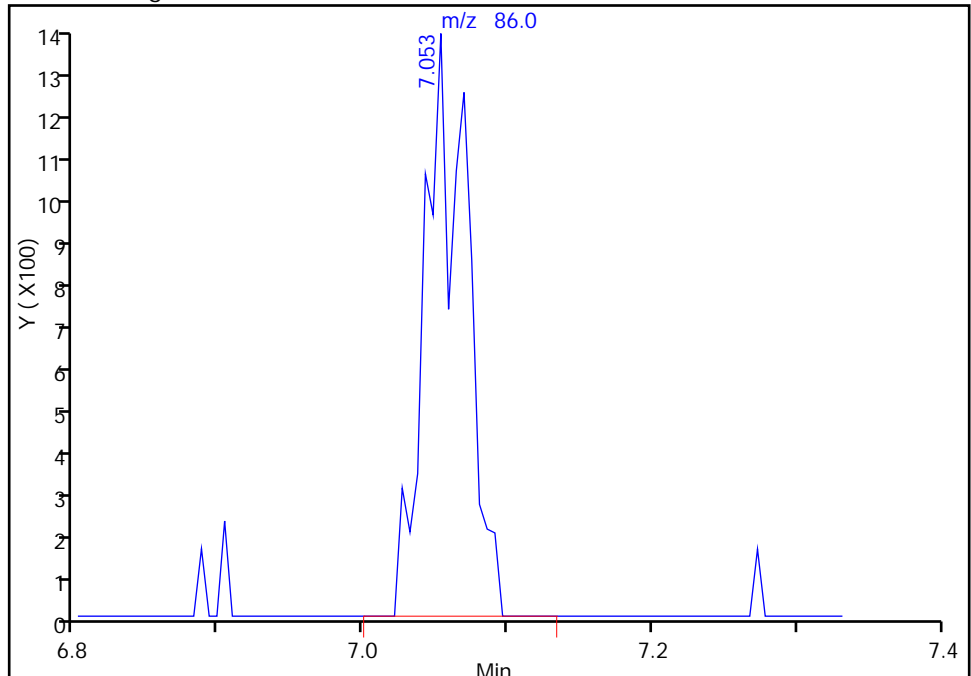
RT: 7.07
Area: 1377
Amount: 0.067037
Amount Units: ppb v/v

Processing Integration Results



RT: 7.05
Area: 2778
Amount: 0.092606
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 13-Jan-2016 15:05:31
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1 Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97814/3	17105_03.D
Level 2	IC 200-97814/4	17105_04.D
Level 3	IC 200-97814/5	17105_05.D
Level 4	IC 200-97814/6	17105_06.D
Level 5	ICIS 200-97814/7	17105_07.D
Level 6	IC 200-97814/8	17105_08.D
Level 7	IC 200-97814/9	17105_09.D
Level 8	IC 200-97814/10	17105_10.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								
	LVL 6	LVL 7	LVL 8														
Propylene	+++++	+++++	+++++	0.4463	0.4263	Ave		0.4164			6.2		30.0				
	0.4220	0.4105	0.3767														
Dichlorodifluoromethane	+++++	+++++	2.2509	2.2472	2.1740	Ave		2.1350			5.8		30.0				
	2.1256	2.0931	1.9195														
Freon 22	+++++	+++++	1.0547	1.0652	1.0290	Ave		1.0136			5.0		30.0				
	1.0140	0.9928	0.9256														
1,2-Dichlorotetrafluoroethane	+++++	2.1783	2.3212	2.2713	2.1859	Ave		2.1540			6.5		30.0				
	2.1387	2.0913	1.8915														
Chloromethane	+++++	+++++	0.6215	0.6056	0.5876	Ave		0.5832			5.2		30.0				
	0.5795	0.5702	0.5348														
n-Butane	+++++	+++++	1.0117	0.9730	0.9478	Ave		0.9370			6.1		30.0				
	0.9334	0.9133	0.8430														
Vinyl chloride	0.8112	0.7249	0.8090	0.8171	0.7958	Ave		0.7772			5.3		30.0				
	0.7831	0.7680	0.7087														
1,3-Butadiene	+++++	0.5029	0.5760	0.5754	0.5516	Ave		0.5401			6.0		30.0				
	0.5450	0.5380	0.4919														
Bromomethane	+++++	0.7881	0.7886	0.8051	0.7674	Ave		0.7680			3.7		30.0				
	0.7475	0.7568	0.7229														
Chloroethane	+++++	+++++	0.3816	0.3629	0.3737	Ave		0.3606			4.9		30.0				
	0.3666	0.3417	0.3372														
Isopentane	+++++	0.6542	0.6642	0.6438	0.6266	Ave		0.6250			5.4		30.0				
	0.6166	0.6038	0.5660														
Bromoethene (Vinyl Bromide)	+++++	0.9611	0.9752	0.9532	0.9279	Ave		0.9243			5.1		30.0				
	0.9136	0.9043	0.8350														
Trichlorofluoromethane	+++++	2.3584	2.3969	2.3672	2.3026	Ave		2.2914			4.3		30.0				
	2.2648	2.2466	2.1035														
n-Pentane	+++++	+++++	1.1684	1.1006	1.0666	Ave		1.0631			6.5		30.0				
	1.0461	1.0347	0.9625														

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1 Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
Ethanol	++++ 0.3032	++++ 0.2410	0.2700 0.2240	0.2805	0.2630	Ave		0.2636			10.7		30.0				
Ethyl ether	++++ 0.5160	0.5005 0.5104	0.5413 0.4799	0.5474	0.5294	Ave		0.5178			4.6		30.0				
Acrolein	++++ 0.1945	++++ 0.2214	++++ 0.1946	0.2415	0.2341	Ave		0.2172			10.1		30.0				
Freon TF	++++ 1.7767	1.8804 1.7357	1.9063 1.5948	1.8480	1.8082	Ave		1.7929			5.9		30.0				
1,1-Dichloroethene	++++ 0.8732	0.8762 0.8510	0.9059 0.7836	0.8868	0.8824	Ave		0.8656			4.6		30.0				
Acetone	++++ 0.9509	++++ 0.8820	++++ 0.8365	0.9763	0.9338	Ave		0.9159			6.1		30.0				
Carbon disulfide	++++ 2.2536	++++ 2.1952	2.3339 2.0533	2.3427	2.2852	Ave		2.2440			4.8		30.0				
Isopropyl alcohol	++++ 0.8621	++++ 0.8706	++++ 0.7928	0.9599	0.9355	Ave		0.8842			7.5		30.0				
3-Chloropropene	++++ 0.7317	0.8898 0.7754	0.8951 0.6997	0.8116	0.8137	Ave		0.8024			9.2		30.0				
Acetonitrile	++++ 0.4070	++++ 0.4167	++++ 0.3884	0.4386	0.4388	Ave		0.4179			5.2		30.0				
Methylene Chloride	++++ 0.7515	++++ 0.7413	1.0664 0.6826	0.8038	0.7760	Ave		0.8036			16.8		30.0				
tert-Butyl alcohol	++++ 1.4449	++++ 1.4490	++++ 1.3439	1.6076	1.5459	Ave		1.4783			6.9		30.0				
trans-1,2-Dichloroethene	++++ 1.1459	1.1234 1.1143	1.1964 1.0344	1.2053	1.1606	Ave		1.1400			5.1		30.0				
Methyl tert-butyl ether	++++ 2.4661	2.4050 2.4271	2.4814 2.2620	2.5730	2.4973	Ave		2.4446			4.0		30.0				
Acrylonitrile	++++ 0.5163	++++ 0.5048	0.5318 0.4739	0.5372	0.5274	Ave		0.5153			4.5		30.0				
n-Hexane	++++ 1.1605	1.2262 1.1389	1.2070 1.0464	1.2119	1.1815	Ave		1.1675			5.3		30.0				
1,1-Dichloroethane	1.7700 1.5145	1.4764 1.4808	1.5559 1.3737	1.5638	1.5370	Ave		1.5340			7.4		30.0				
Vinyl acetate	++++ 1.7623	++++ 1.7275	++++ 1.6137	1.8212	1.7819	Ave		1.7413			4.5		30.0				
cis-1,2-Dichloroethene	++++ 1.1285	1.1005 1.1049	1.1775 1.0281	1.1623	1.1452	Ave		1.1210			4.4		30.0				
Methyl Ethyl Ketone	++++ 0.4906	++++ 0.4793	++++ 0.4448	0.5077	0.4992	Ave		0.5063			11.5		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31480-1

Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
Ethyl acetate	++++ 0.0855	++++ 0.0834	++++ 0.0767	0.0865	0.0891	Ave		0.0842			5.6		30.0				
Tetrahydrofuran	++++ 0.1461	++++ 0.1465	++++ 0.1387	0.1565	0.1504	Ave		0.1476			4.4		30.0				
Chloroform	++++ 2.1306	2.1939 2.1058	2.2378 1.9719	2.2321	2.1616	Ave		2.1477			4.3		30.0				
Cyclohexane	++++ 0.2708	0.2642 0.2732	0.2735 0.2575	0.2832	0.2771	Ave		0.2714			3.1		30.0				
1,1,1-Trichloroethane	++++ 0.3997	0.3759 0.4058	0.4146 0.3885	0.4157	0.4067	Ave		0.4010			3.6		30.0				
Carbon tetrachloride	0.4583 0.4263	++++ 0.4136 0.4425	0.4161 0.4261	0.4444	0.4414	Ave		0.4336			3.6		30.0				
2,2,4-Trimethylpentane	++++ 0.8974	0.8942 0.9027	0.9230 0.8536	0.9418	0.9217	Ave		0.9049			3.1		30.0				
Benzene	++++ 0.6301	0.6653 0.6361	0.6616 0.6049	0.6613	0.6466	Ave		0.6437			3.4		30.0				
1,2-Dichloroethane	++++ 0.2272	0.2272 0.2306	0.2333 0.2242	0.2370	0.2308	Ave		0.2300			1.9		30.0				
n-Heptane	++++ 0.2812	0.2866 0.2820	0.2910 0.2671	0.2948	0.2869	Ave		0.2842			3.1		30.0				
n-Butanol	++++ 0.0925	++++ 0.0953	++++ 0.0977	0.0970	0.0974	Ave		0.0960			2.3		30.0				
Trichloroethene	0.3563 0.3013	0.3035 0.3065	0.3181 0.2956	0.3145	0.3052	Ave		0.3126			6.1		30.0				
1,2-Dichloropropane	++++ 0.2281	0.2262 0.2314	0.2324 0.2229	0.2373	0.2326	Ave		0.2301			2.1		30.0				
Methyl methacrylate	++++ 0.2329	++++ 0.2344	++++ 0.2278 0.2262	0.2360	0.2355	Ave		0.2321			1.8		30.0				
1,4-Dioxane	++++ 0.1046	++++ 0.1062	++++ 0.0982	0.1210	0.1158	Ave		0.1092			8.4		30.0				
Dibromomethane	++++ 0.3265	0.3636 0.3493	0.3633 0.3299	0.3594	0.3511	Ave		0.3490			4.4		30.0				
Bromodichloromethane	++++ 0.4655	0.4227 0.4711	0.4554 0.4554	0.4760	0.4685	Ave		0.4592			3.9		30.0				
cis-1,3-Dichloropropene	++++ 0.3673	0.3429 0.3741	0.3627 0.3615	0.3775	0.3752	Ave		0.3659			3.3		30.0				
methyl isobutyl ketone	++++ 0.3718	++++ 0.3749	0.3727 0.3572	0.3472	0.3835	Ave		0.3679			3.6		30.0				
Toluene	++++ 0.5554	0.5765 0.5534	0.5695 0.5300	0.5824	0.5679	Ave		0.5622			3.1		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31480-1

Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
n-Octane	++++ 0.4025	0.4074 0.4015	0.4261 0.3730	0.4266	0.4149	Ave	0.4074				4.5		30.0				
trans-1,3-Dichloropropene	++++ 0.3673	0.3688 0.3747	0.3692 0.3624	0.3787	0.3746	Ave	0.3708				1.5		30.0				
1,1,2-Trichloroethane	++++ 0.2627	0.2569 0.2642	0.2634 0.2557	0.2713	0.2677	Ave	0.2631				2.1		30.0				
Tetrachloroethene	0.5901 0.5174	0.5067 0.5178	0.5417 0.4978	0.5372	0.5271	Ave	0.5295				5.4		30.0				
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3601	++++ 0.3637	0.3862 0.3575	0.3897	0.3652	Ave	0.3704				3.8		30.0				
Dibromochloromethane	++++ 0.5834	0.4813 0.5581	0.5121 0.5413	0.5656	0.5689	Ave	0.5444				6.6		30.0				
1,2-Dibromoethane	++++ 0.5205	0.4952 0.5192	0.5155 0.5049	0.5370	0.5292	Ave	0.5173				2.7		30.0				
Chlorobenzene	++++ 0.7908	0.7938 0.7890	0.8182 0.7578	0.8256	0.8059	Ave	0.7973				2.8		30.0				
Ethylbenzene	++++ 1.2160	1.1906 1.2150	1.2517 1.1697	1.2710	1.2430	Ave	1.2224				2.9		30.0				
n-Nonane	++++ 0.4962	0.4746 0.4918	0.5080 0.4657	0.5198	0.5080	Ave	0.4949				3.9		30.0				
m,p-Xylene	++++ 0.5001	0.4957 0.4960	0.5200 0.4547	0.5289	0.5148	Ave	0.5015				4.8		30.0				
Xylene, o-	++++ 0.5020	0.4887 0.4986	0.5201 0.4759	0.5243	0.5107	Ave	0.5029				3.4		30.0				
Styrene	++++ 0.7859	0.7368 0.7848	0.7690 0.7529	0.8255	0.8052	Ave	0.7800				3.9		30.0				
Bromoform	++++ 0.5481	0.3973 0.4607	0.3935 0.4439	0.4652	0.4819	Ave	0.4558				11.6		30.0				
Cumene	++++ 1.4285	1.3819 1.4253	1.4470 1.3503	1.4960	1.4567	Ave	1.4265				3.4		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.6895	0.6662 0.6672	0.6943 0.6423	0.7221	0.7063	Ave	0.6840				4.0		30.0				
n-Propylbenzene	++++ 1.6766	1.6308 1.5644	1.7021 1.5390	1.7627	1.7138	Ave	1.6556				4.9		30.0				
1,2,3-Trichloropropane	++++ 0.5148	++++ 0.5023	0.5330 0.4803	0.5416	0.5268	Ave	0.5165				4.4		30.0				
n-Decane	++++ 0.5609	++++ 0.6088	0.6320 0.4999	0.4926	0.5395	Ave	0.5556				10.2		30.0				
4-Ethyltoluene	++++ 1.3892	1.4641 0.9911	1.4641 1.0907	1.5102	1.4532	Ave	1.3293				15.3		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1 Analy Batch No.: 97814
 SDG No.: _____
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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								
	LVL 6	LVL 7	LVL 8														
2-Chlorotoluene	++++ 1.1266	1.1461 1.0788	1.1746 0.9805	1.1992	1.1660	Ave		1.1245			6.6		30.0				
1,3,5-Trimethylbenzene	++++ 1.0917	1.1469 1.0445	1.1994 1.0154	1.2585	1.2034	Ave		1.1371			7.9		30.0				
Alpha Methyl Styrene	++++ 0.5739	0.5603 0.5525	0.6025 0.5378	0.6637	0.6361	Ave		0.5896			7.9		30.0				
tert-Butylbenzene	++++ 0.9872	1.1170 1.0952	1.2054 0.9637	1.2145	1.0847	Ave		1.0954			8.8		30.0				
1,2,4-Trimethylbenzene	++++ 1.0187	1.1541 1.1817	1.2205 1.0393	1.2289	1.0443	Ave		1.1268			8.0		30.0				
sec-Butylbenzene	++++ 1.5145	1.6577 1.7014	1.7856 1.4919	1.5780	1.4456	Ave		1.5964			7.7		30.0				
4-Isopropyltoluene	++++ 1.4894	1.2645 1.4849	1.1617 1.3279	1.3195	1.4878	Ave		1.3622			9.5		30.0				
1,3-Dichlorobenzene	++++ 0.7449	0.8705 0.8103	0.8894 0.7364	0.9353	0.8689	Ave		0.8365			9.0		30.0				
1,4-Dichlorobenzene	++++ 0.7263	0.8846 0.8691	0.8950 0.7794	0.9413	0.8282	Ave		0.8463			8.7		30.0				
Benzyl chloride	++++ 0.9042	0.7474 0.9739	0.8591 0.9172	0.8222	0.7468	Ave		0.8530			10.1		30.0				
n-Butylbenzene	++++ 1.2991	1.1435 1.2605	1.0891 1.1053	1.3693	1.3776	Ave		1.2349			9.9		30.0				
n-Undecane	++++ 0.6403	++++ 0.6200	++++ 0.5520	0.6884	0.6667	Ave		0.6335			8.3		30.0				
1,2-Dichlorobenzene	++++ 0.7400	0.8361 0.8325	0.8301 0.7603	0.8369	0.6547	Ave		0.7844			8.9		30.0				
n-Dodecane	++++ 0.5253	++++ 0.5334	++++ 0.1431	0.5724	0.5586	Ave		0.4666			39.0	*	30.0				
1,2,4-Trichlorobenzene	++++ 0.6504	++++ 0.6977	0.5385 0.5643	0.7217	0.6606	Ave		0.6389			11.4		30.0				
Hexachlorobutadiene	++++ 0.6067	0.5725 0.6006	0.6118 0.4281	0.6598	0.6390	Ave		0.5884			12.9		30.0				
Naphthalene	++++ 1.3038	++++ 1.4723	1.1199 1.2006	1.5115	1.2111	Ave		1.3032			12.1		30.0				
1,2,3-Trichlorobenzene	++++ 0.5668	0.5162 0.6166	0.4919 0.3241	0.6284	0.5715	Ave		0.5308			19.5		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1 Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97814/3	17105_03.D
Level 2	IC 200-97814/4	17105_04.D
Level 3	IC 200-97814/5	17105_05.D
Level 4	IC 200-97814/6	17105_06.D
Level 5	ICIS 200-97814/7	17105_07.D
Level 6	IC 200-97814/8	17105_08.D
Level 7	IC 200-97814/9	17105_09.D
Level 8	IC 200-97814/10	17105_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 172300	++++ 230854	++++ 439883	60450	114988	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 867886	++++ 1177251	30054 2241195	304381	586425	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 414020	++++ 558414	14083 1080692	144288	277569	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 873255	11824 1176209	30993 2208538	307648	589634	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 236623	++++ 320703	8298 624444	82029	158488	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 381118	++++ 513678	13508 984305	131799	255663	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	857 319750	3935 431926	10802 827456	110676	214668	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 222527	2730 302584	7691 574364	77941	148800	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 305221	4278 425638	10529 844107	109046	206986	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 149666	++++ 192186	5095 393698	49154	100800	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 251763	3551 339604	8869 660886	87203	169009	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 373026	5217 508634	13021 974918	129106	250296	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 924716	12802 1263592	32003 2456109	320642	621116	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 427143	++++ 581950	15600 1123866	149072	287702	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 165428	++++ 271112	36092 653931	76035	106471	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington

Job No.: 200-31480-1

Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	
Ethyl ether	BCM	Ave	++++ 210676	2717 287045	7228 560303	74147	142812	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Acrolein	BCM	Ave	++++ 79433	++++ 124533	++++ 227171	32718	63135	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Freon TF	BCM	Ave	++++ 725423	10207 976218	25453 1862102	250320	487747	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,1-Dichloroethene	BCM	Ave	++++ 356530	4756 478617	12095 914928	120122	238029	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Acetone	BCM	Ave	++++ 388245	++++ 496091	++++ 976735	132246	251875	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Carbon disulfide	BCM	Ave	++++ 920142	++++ 1234651	++++ 2397492	317319	616412	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
Isopropyl alcohol	BCM	Ave	++++ 351990	++++ 489683	++++ 925683	130024	252350	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
3-Chloropropene	BCM	Ave	++++ 298765	++++ 436095	++++ 816931	109938	219486	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Acetonitrile	BCM	Ave	++++ 166193	++++ 234378	++++ 453460	59409	118352	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Methylene Chloride	BCM	Ave	++++ 306835	++++ 416914	++++ 797016	108882	209310	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
tert-Butyl alcohol	BCM	Ave	++++ 589963	++++ 814990	++++ 1569148	217753	416982	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
trans-1,2-Dichloroethene	BCM	Ave	++++ 467866	++++ 626704	++++ 1207805	163257	313054	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Methyl tert-butyl ether	BCM	Ave	++++ 1006910	++++ 1365120	++++ 2641105	348521	673615	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Acrylonitrile	BCM	Ave	++++ 210805	++++ 283945	++++ 553326	7101 72771	142264	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
n-Hexane	BCM	Ave	++++ 473838	++++ 640573	++++ 1221766	164153	318705	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
1,1-Dichloroethane	BCM	Ave	1870 618376	8014 832870	20774 1603903	211820	414600	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00	
Vinyl acetate	BCM	Ave	++++ 719568	++++ 971615	++++ 1884178	246689	480664	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
cis-1,2-Dichloroethene	BCM	Ave	++++ 460766	++++ 621436	++++ 1200444	5974 15722	157437	308906	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 200330	++++ 269576	++++ 519394	8227 68763	134645	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00	
Ethyl acetate	BCM	Ave	++++ 34895	++++ 46932	++++ 89545	11710	24042	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	
Tetrahydrofuran	DFB	Ave	++++ 337280	++++ 453054	++++ 868568	119458	227464	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00	

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

Lab Name: TestAmerica Burlington

Job No.: 200-31480-1

Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	++++ 869916	11909 1184364	29879 2302432	302339	583069	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 625197	8187 844581	20798 1612627	216175	419088	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 922839	11647 1254744	31532 2432830	317354	614979	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	2787 984388	12813 1368101	31649 2668421	339261	667505	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2072089	27706 2790900	70202 5344899	718949	1393883	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 1454991	20613 1966615	50315 3787907	504800	977805	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 524553	7040 712870	17743 1404113	180913	349078	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 649215	8879 871767	22129 1672627	225063	433838	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 213519	++++ 294765	++++ 611849	74074	147303	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2167 695621	9403 947471	24196 1851177	240077	461562	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 526613	7007 715528	17679 1395468	181118	351720	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 537721	++++ 724649	17325 1416643	180138	356127	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 241515	++++ 328365	++++ 614694	92364	175088	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 753885	11265 1079884	27629 2065795	274321	531006	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 1074764	13096 1456480	34637 2851623	363320	708451	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 848027	10624 1156614	27586 2263618	288154	567384	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 858429	++++ 1158964	28347 2236516	265055	579908	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 1192144	16716 1615167	40458 3103024	414062	801037	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 929336	12623 1241399	32409 2335717	325629	627359	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 848061	11425 1158512	28077 2269536	289052	566478	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 563768	7448 771181	18715 1497315	192865	377609	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31480-1

Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08

Calibration End Date: 12/02/2015 23:02

Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	3384 1110432	14691 1511246	38483 2914418	381901	743519	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 772948	++++ 1061509	27434 2093046	277073	515126	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1252258	13956 1628808	36377 3169289	402125	802510	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1117126	14359 1515307	36619 2956144	381770	746512	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 1697339	23016 2302740	58123 4436976	586968	1136840	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 2609942	34523 3546053	88923 6848857	903597	1753406	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1064959	13762 1435248	36090 2726982	369522	716553	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2146823	28748 2895523	73885 5324817	752068	1452518	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1077527	14169 1455268	36947 2786490	372724	720436	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 1686820	21365 2290469	54630 4408303	586875	1135882	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1176376	11520 1344660	27955 2599285	330732	679792	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3065937	40070 4159812	102794 7906359	1063557	2054864	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1479865	19316 1947438	49327 3760763	513363	996301	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 3598476	47285 4565955	120921 9010759	1253155	2417554	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1104972	++++ 1465958	37865 2812064	385072	743108	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 1203827	++++ 1776732	44901 2927171	350198	761115	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 2981766	40777 2892532	104010 6386351	1073648	2049958	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 2417984	33231 3148601	83443 5740659	852529	1644818	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2343074	33256 3048456	85205 5945422	894741	1697552	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1231685	16247 1612578	42801 3149112	471868	897348	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 2118752	32388 3196441	85636 5642843	863443	1530086	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-31480-1 Analy Batch No.: 97814

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2186532	33464 3449061	86705 6085055	873686	1473107	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 3250547	48067 4965617	126852 8735177	1121864	2039196	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 3196703	36664 4333977	82530 7774903	938085	2098753	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 1598872	25240 2365008	63184 4311692	664954	1225712	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 1558839	25649 2536602	63585 4563438	669200	1168333	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 1940611	21671 2842326	61030 5370191	584516	1053539	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 2788292	33156 3678885	77369 6471915	973486	1943267	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 1374188	++++ 1809626	++++ 3231822	489372	940529	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 1588327	24244 2429719	58972 4451750	595015	923514	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1127449	++++ 1556720	++++ 837930	406933	788045	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1396073	++++ 2036276	38253 3303885	513068	931840	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1302194	16600 1753057	43461 2506508	469069	901425	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 2798376	++++ 4297106	79556 7029873	1074594	1708433	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1216438	++++ 1799481	14966 1897597	34948	446728	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1 Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18 Calibration End Date: 01/07/2016 23:17 Calibration ID: 33229

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-99268/3	17658_03.D
Level 2	IC 200-99268/4	17658_04.D
Level 3	IC 200-99268/5	17658_05.D
Level 4	IC 200-99268/6	17658_06.D
Level 5	ICIS 200-99268/7	17658_07.D
Level 6	IC 200-99268/8	17658_08.D
Level 7	IC 200-99268/9	17658_09.D
Level 8	IC 200-99268/10	17658_10.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								
Propylene	+++++	+++++	+++++	0.5268	0.4343	Ave		0.4298			16.3		30.0				
	0.4598	0.3807	0.3473														
Dichlorodifluoromethane	+++++	+++++	3.7437	3.3730	2.9075	Ave		2.9922			17.9		30.0				
	3.1058	2.5456	2.2775														
Freon 22	+++++	+++++	1.6744	1.4886	1.2869	Ave		1.3078			18.8		30.0				
	1.2886	1.0997	1.0086														
1,2-Dichlorotetrafluoroethane	+++++	3.0459	3.0038	2.8596	2.5123	Ave		2.6039			15.2		30.0				
	2.5869	2.1992	2.0196														
Chloromethane	+++++	+++++	0.9202	0.7667	0.6624	Ave		0.6899			20.2		30.0				
	0.6837	0.5679	0.5386														
n-Butane	+++++	+++++	1.1578	0.9822	0.8442	Ave		0.8798			19.6		30.0				
	0.8778	0.7301	0.6864														
Vinyl chloride	1.3820	0.9262	0.9710	0.8863	0.7832	Ave		0.8867			25.9		30.0				
	0.8148	0.6841	0.6456														
1,3-Butadiene	+++++	0.4907	0.5869	0.5288	0.4681	Ave		0.4834			12.9		30.0				
	0.4832	0.4279	0.3980														
Bromomethane	+++++	1.3644	1.3905	1.2045	1.0848	Ave		1.1596			14.9		30.0				
	1.1365	1.0014	0.9353														
Chloroethane	+++++	+++++	0.3667	0.3299	0.2903	Ave		0.3038			12.8		30.0				
	0.3016	0.2749	0.2597														
Isopentane	+++++	0.7699	0.6398	0.5965	0.5259	Ave		0.5710			19.4		30.0				
	0.5483	0.4717	0.4445														
Bromoethene (Vinyl Bromide)	+++++	1.1642	1.0932	1.0479	0.9860	Ave		1.0365			8.5		30.0				
	1.0918	0.9608	0.9115														
Trichlorofluoromethane	+++++	3.3105	3.3407	3.1764	2.8169	Ave		2.9470			12.1		30.0				
	2.9723	2.5933	2.4188														
n-Pentane	+++++	+++++	0.9253	0.8529	0.7497	Ave		0.7751			13.1		30.0				
	0.7810	0.6895	0.6523														

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1 Analy Batch No.: 99268
 SDG No.: _____
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 01/07/2016 17:18 Calibration End Date: 01/07/2016 23:17 Calibration ID: 33229

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								
	LVL 6	LVL 7	LVL 8														
Ethanol	++++ 0.2464	++++ 0.1691	0.2398 0.1555	0.2166	0.1973	Ave	0.2041				18.1		30.0				
Ethyl ether	++++ 0.3174	0.4233 0.2907	0.3598 0.2839	0.3404	0.3082	Ave	0.3320				14.5		30.0				
Acrolein	++++ 0.1084	++++ 0.1226	++++ 0.1186	0.1517	0.1205	Ave	0.1244				13.0		30.0				
Freon TF	++++ 1.8535	2.1189 1.6866	2.0702 1.6012	1.9404	1.7899	Ave	1.8658				10.2		30.0				
1,1-Dichloroethene	++++ 0.7892	0.8481 0.6927	0.8899 0.6722	0.8042	0.7409	Ave	0.7767				10.3		30.0				
Acetone	++++ 0.7713	++++ 0.6667	++++ 0.6376	1.0011	0.8236	Ave	0.7800				18.6		30.0				
Carbon disulfide	++++ 2.1225	++++ 1.8334	2.2127 1.7706	2.1461	1.9804	Ave	2.0110				8.9		30.0				
Isopropyl alcohol	++++ 0.6828	++++ 0.5557	++++ 0.5244	0.7346	0.6261	Ave	0.6247				13.9		30.0				
3-Chloropropene	++++ 0.5583	0.7144 0.5381	0.6599 0.4954	0.5411	0.5856	Ave	0.5847				13.1		30.0				
Acetonitrile	++++ 0.2926	++++ 0.2821	++++ 0.2666	0.3426	0.3072	Ave	0.2982				9.7		30.0				
Methylene Chloride	++++ 0.7096	++++ 0.6370	0.9875 0.6010	0.8104	0.7040	Ave	0.7416				18.9		30.0				
tert-Butyl alcohol	++++ 1.0796	++++ 0.8560	++++ 0.8198	1.0654	0.9955	Ave	0.9633				12.4		30.0				
trans-1,2-Dichloroethene	++++ 0.9643	1.0537 0.8591	1.0862 0.8159	1.0418	0.9253	Ave	0.9638				10.7		30.0				
Methyl tert-butyl ether	++++ 1.6891	1.7552 1.5323	1.7250 1.4844	1.7154	1.6001	Ave	1.6431				6.4		30.0				
Acrylonitrile	++++ 0.3077	++++ 0.2968	0.3299 0.2951	0.3119	0.3025	Ave	0.3073				4.1		30.0				
n-Hexane	++++ 0.7201	0.8064 0.6462	0.7527 0.6243	0.7517	0.6822	Ave	0.7119				9.1		30.0				
1,1-Dichloroethane	1.6459 1.2830	1.4358 1.1386	1.4173 1.0954	1.3707	1.2215	Ave	1.3260				13.5		30.0				
Vinyl acetate	++++ 1.2013	++++ 1.1501	++++ 1.1311	1.2555	1.1586	Ave	1.1793				4.2		30.0				
cis-1,2-Dichloroethene	++++ 0.9204	0.9741 0.8357	0.9666 0.8208	0.9096	0.8569	Ave	0.8977				6.8		30.0				
Methyl Ethyl Ketone	++++ 0.2701	++++ 0.2390	++++ 0.2375	0.2647	0.2454	Ave	0.2922				34.6	*	30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1 Analy Batch No.: 99268
 SDG No.: _____
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 01/07/2016 17:18 Calibration End Date: 01/07/2016 23:17 Calibration ID: 33229

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								
	LVL 6	LVL 7	LVL 8														
Ethyl acetate	++++ 0.0373	++++ 0.0349	++++ 0.0342	0.0355	0.0344	Ave		0.0352			3.5		30.0				
Tetrahydrofuran	++++ 0.1250	++++ 0.1080	++++ 0.1104	0.1324	0.1153	Ave		0.1182			8.7		30.0				
Chloroform	++++ 2.0308	2.1327 1.8192	2.1429 1.7509	2.1174	1.9305	Ave		1.9892			8.0		30.0				
Cyclohexane	++++ 0.2146	0.2092 0.1863	0.2227 0.1900	0.2148	0.1927	Ave		0.2043			7.0		30.0				
1,1,1-Trichloroethane	++++ 0.5449	0.6363 0.4692	0.6459 0.4783	0.5809	0.4975	Ave		0.5504			13.3		30.0				
Carbon tetrachloride	0.6678 0.6530	0.6791 0.5808	0.3890 0.5904	0.5013	0.5837	Ave		0.5806			16.7		30.0				
Benzene	++++ 0.5411	0.6185 0.4774	0.5938 0.4923	0.5355	0.4885	Ave		0.5353			10.2		30.0				
2,2,4-Trimethylpentane	++++ 0.6872	0.6475 0.5915	0.6788 0.6118	0.7181	0.6243	Ave		0.6513			7.0		30.0				
1,2-Dichloroethane	++++ 0.3009	0.3587 0.2609	0.3578 0.2651	0.3236	0.2815	Ave		0.3070			13.4		30.0				
n-Heptane	++++ 0.2476	0.2288 0.2090	0.2504 0.2162	0.2618	0.2252	Ave		0.2342			8.3		30.0				
n-Butanol	++++ 0.0705	0.0548	0.0566	0.0696	0.0615	Ave		0.0626			11.6		30.0				
Trichloroethene	0.3247 0.3223	0.3337 0.2780	0.3285 0.2902	0.3133	0.2789	Ave		0.3087			7.4		30.0				
1,2-Dichloropropane	++++ 0.2058	0.2042 0.1811	0.2082 0.1882	0.2031	0.1838	Ave		0.1964			5.8		30.0				
Methyl methacrylate	++++ 0.1612	0.1410	0.1206 0.1498	0.1378	0.1338	Ave		0.1407			9.9		30.0				
Dibromomethane	++++ 0.4424	0.4239 0.4147	0.4096 0.4514	0.4010	0.3904	Ave		0.4190			5.2		30.0				
1,4-Dioxane	++++ 0.0917	0.0717	0.0730	0.0983	0.0809	Ave		0.0831			14.0		30.0				
Bromodichloromethane	++++ 0.5955	0.5119 0.5060	0.5345 0.5230	0.5581	0.5117	Ave		0.5344			6.0		30.0				
cis-1,3-Dichloropropene	++++ 0.3506	0.2515 0.3118	0.2875 0.3419	0.2959	0.2944	Ave		0.3048			11.1		30.0				
methyl isobutyl ketone	++++ 0.3882	0.3063	0.3422 0.3322	0.4103	0.3396	Ave		0.3531			10.9		30.0				
Toluene	++++ 0.4272	0.3835 0.4206	0.4447 0.4503	0.4153	0.4083	Ave		0.4214			5.4		30.0				

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

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

Lab Name: TestAmerica Burlington

Job No.: 200-31494-1

Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18

Calibration End Date: 01/07/2016 23:17

Calibration ID: 33229

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								
	LVL 6	LVL 7	LVL 8														
n-Octane	++++ 0.3846	0.3223 0.3408	0.3408 0.3685	0.3817	0.3493	Ave		0.3554			6.6		30.0				
trans-1,3-Dichloropropene	++++ 0.3613	0.2927 0.3259	0.2999 0.3705	0.3002	0.3112	Ave		0.3231			9.7		30.0				
1,1,2-Trichloroethane	++++ 0.2381	0.2565 0.2268	0.2752 0.2319	0.2411	0.2279	Ave		0.2425			7.3		30.0				
Tetrachloroethene	0.6091 0.5845	0.5671 0.5534	0.5969 0.6033	0.5436	0.5336	Ave		0.5739			5.0		30.0				
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3622	++++ 0.3024	0.4243 0.3114	0.4166	0.3496	Ave		0.3611			14.2		30.0				
Dibromochloromethane	++++ 0.7225	0.5268 0.6460	0.5103 0.6798	0.6249	0.6443	Ave		0.6221			12.5		30.0				
1,2-Dibromoethane	++++ 0.4968	0.4637 0.4716	0.4961 0.5074	0.4684	0.4634	Ave		0.4810			3.8		30.0				
Chlorobenzene	++++ 0.6570	0.6498 0.6333	0.6733 0.6766	0.6146	0.6105	Ave		0.6450			4.1		30.0				
Ethylbenzene	++++ 0.9199	0.9021 0.9148	0.9470 0.9536	0.9262	0.8959	Ave		0.9228			2.3		30.0				
n-Nonane	++++ 0.3290	0.3117 0.3344	0.3235 0.3482	0.3404	0.3323	Ave		0.3314			3.5		30.0				
m,p-Xylene	++++ 0.3808	0.3264 0.3893	0.3655 0.4299	0.3687	0.3651	Ave		0.3751			8.3		30.0				
Xylene, o-	++++ 0.3871	0.3542 0.3928	0.3688 0.4178	0.3809	0.3740	Ave		0.3822			5.3		30.0				
Styrene	++++ 0.5303	0.4116 0.5235	0.3821 0.6052	0.5135	0.4870	Ave		0.4933			15.3		30.0				
Bromoform	++++ 0.6918	0.4058 0.5446	0.2468 0.5968	0.4662	0.5649	Ave		0.5024			28.9		30.0				
Cumene	++++ 1.0882	0.9223 1.0984	0.9582 1.1423	1.0746	1.0424	Ave		1.0466			7.6		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.5755	0.5595 0.5624	0.5790 0.5689	0.5932	0.5567	Ave		0.5707			2.3		30.0				
1,2,3-Trichloropropane	++++ 0.4386	++++ 0.4257	0.4658 0.4295	0.4674	0.4274	Ave		0.4424			4.3		30.0				
n-Propylbenzene	++++ 1.2075	1.1239 1.2005	1.1025 1.2491	1.1860	1.1575	Ave		1.1753			4.3		30.0				
2-Chlorotoluene	++++ 0.8823	0.9076 0.8714	0.8879 0.9043	0.9169	0.8605	Ave		0.8901			2.3		30.0				
4-Ethyltoluene	++++ 1.0346	0.8866 1.0443	0.9099 1.1200	0.9633	0.9675	Ave		0.9895			8.3		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1 Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18 Calibration End Date: 01/07/2016 23:17 Calibration ID: 33229

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								
	LVL 6	LVL 7	LVL 8														
n-Decane	++++ 0.3835	++++ 0.3885	0.3919 0.4132	0.3590	0.3499	Ave		0.3810			6.1		30.0				
1,3,5-Trimethylbenzene	++++ 0.8655	0.7835 0.8730	0.7621 0.9268	0.8175	0.8069	Ave		0.8336			6.9		30.0				
Alpha Methyl Styrene	++++ 0.4348	0.3163 0.4327	0.2626 0.5058	0.3707	0.3736	Ave		0.3852			21.0		30.0				
tert-Butylbenzene	++++ 0.8596	0.7694 0.8703	0.7832 0.9443	0.8288	0.7912	Ave		0.8353			7.4		30.0				
1,2,4-Trimethylbenzene	++++ 0.8625	0.8317 0.8511	0.7933 0.9115	0.8161	0.7932	Ave		0.8371			5.0		30.0				
sec-Butylbenzene	++++ 1.2117	1.0584 1.2304	1.0527 1.2494	1.1543	1.1197	Ave		1.1538			7.0		30.0				
4-Isopropyltoluene	++++ 1.0969	0.9189 1.0947	0.9214 1.1545	1.0011	0.9849	Ave		1.0246			9.0		30.0				
1,3-Dichlorobenzene	++++ 0.7320	0.6629 0.7104	0.6756 0.8784	0.6691	0.6737	Ave		0.7146			10.7		30.0				
1,4-Dichlorobenzene	++++ 0.6912	0.6748 0.6327	0.6513 0.8009	0.6493	0.6478	Ave		0.6783			8.5		30.0				
Benzyl chloride	++++ 0.6571	0.5991 0.5983	0.5249 0.6934	0.5415	0.5670	Ave		0.5973			10.2		30.0				
n-Butylbenzene	++++ 0.8745	0.8829 0.8132	0.7966 0.8981	0.8513	0.7932	Ave		0.8442			5.1		30.0				
n-Undecane	++++ 0.3662	++++ 0.3069	++++ 0.3618	0.3621	0.3303	Ave		0.3454			7.5		30.0				
1,2-Dichlorobenzene	++++ 0.6765	0.6219 0.6629	0.6061 0.7742	0.6328	0.6187	Ave		0.6562			8.8		30.0				
n-Dodecane	++++ 0.2869	++++ 0.2262	++++ 0.2805	0.2143	0.2695	Ave		0.2555			12.9		30.0				
1,2,4-Trichlorobenzene	++++ 0.5056	++++ 0.4170	0.3312 0.5851	0.4515	0.4925	Ave		0.4638			18.6		30.0				
Hexachlorobutadiene	++++ 0.5613	0.5508 0.5557	0.5250 0.6548	0.5160	0.5006	Ave		0.5520			9.2		30.0				
Naphthalene	++++ 0.7604	++++ 0.6206	0.4871 0.9416	0.7913	0.8175	Ave		0.7364			21.7		30.0				
1,2,3-Trichlorobenzene	++++ 0.4245	++++ 0.4038	0.2537 0.4926	0.3942	0.4246	Ave		0.3959			18.3		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-31494-1 Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18 Calibration End Date: 01/07/2016 23:17 Calibration ID: 33229

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-99268/3	17658_03.D
Level 2	IC 200-99268/4	17658_04.D
Level 3	IC 200-99268/5	17658_05.D
Level 4	IC 200-99268/6	17658_06.D
Level 5	ICIS 200-99268/7	17658_07.D
Level 6	IC 200-99268/8	17658_08.D
Level 7	IC 200-99268/9	17658_09.D
Level 8	IC 200-99268/10	17658_10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 467786	++++ 630540	++++ 1216021	156161	308176	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 3159403	++++ 4216563	103320 7973700	999801	2063379	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 1310863	++++ 1821468	46211 3531252	441231	913292	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 2631595	34132 3642714	82900 7070973	847619	1782936	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 695505	++++ 940659	25396 1885855	227264	470056	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 892989	++++ 1209318	31953 2403325	291134	599120	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	3168 828898	10379 1133116	26799 2260388	262703	555780	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 491586	5499 708782	16197 1393375	156751	332172	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 1156120	15289 1658693	38375 3274497	357046	769854	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 306773	++++ 455352	10119 909071	97784	205983	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 557812	8627 781340	17657 1556325	176813	373230	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 1110678	13046 1591457	30170 3191117	310606	699740	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 3023572	37097 4295426	92196 8468537	941542	1999067	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 794532	++++ 1141997	25537 2283770	252799	532014	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 334938	++++ 560140	66252 1361086	128497	210154	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington

Job No.: 200-31494-1

Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18

Calibration End Date: 01/07/2016 23:17

Calibration ID: 33229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	++++ 322884	4743 481526	9931 994031	100914	218713	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 110304	++++ 203038	++++ 415340	44959	85500	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 1885528	23744 2793668	57134 5606020	575156	1270269	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 802800	9504 1147397	24559 2353358	238385	525770	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 784586	++++ 1104383	++++ 2232202	296731	584465	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 2159173	++++ 3036776	61067 6199045	636144	1405409	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 694541	++++ 920511	++++ 1835850	217734	444328	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 567977	++++ 8005 891246	18213 1734604	160391	415550	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 297626	++++ 467328	++++ 933559	101552	218002	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 721896	++++ 1055090	++++ 27253 2104173	240210	499637	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1098241	++++ 1417927	++++ 2870360	315795	706456	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 980980	++++ 11808 1423021	29978 2856582	308820	656691	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1718247	++++ 19669 2538148	47608 5197191	508474	1135552	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 313011	++++ 491688	++++ 9104 1033325	92459	214662	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 732497	++++ 9037 1070435	20773 2185706	222808	484129	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	++++ 1305112	++++ 3773 1885959	16089 39116 3835024	406298	866855	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1221994	++++ 1904935	++++ 3959941	372151	822189	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 936340	++++ 10916 1384172	26677 2873817	269606	608113	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 274727	++++ 395802	13701 831622	78462	174131	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 37914	++++ 57815	++++ 119597	10514	24408	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 530353	++++ 778778	++++ 1596977	160619	355635	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31494-1

Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18

Calibration End Date: 01/07/2016 23:17

Calibration ID: 33229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	++++ 2065852	23899 3013317	59140 6130114	627629	1370030	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 910700	9184 1343860	23968 2746905	260577	594589	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 2312426	27938 3383905	69526 6915694	704626	1534926	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	6251 2771181	29817 4188717	41867 8536351	608031	1801032	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 2296378	27157 3442749	63914 7118657	649577	1507194	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2916627	28432 4265852	73067 8846597	870986	1926083	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 1277152	15751 1881922	38517 3833807	392476	868691	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 1051018	10047 1507553	26951 3125617	317591	694952	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 299223	++++ 394861	++++ 818786	84458	189783	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3040 1367657	14652 2004707	35362 4195798	379979	860385	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 873326	8965 1306410	22414 2721709	246398	567133	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 684113	++++ 1016801	12982 2166391	167129	412922	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 1877398	18614 2990524	44087 6526897	486357	1204533	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 389033	++++ 517200	++++ 1055345	119195	249625	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 2527258	22475 3648942	57528 7562512	677000	1578677	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 1487750	11044 2248831	30949 4943326	358891	908487	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 1647495	++++ 2209179	36839 4803729	497630	1047928	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 1866059	14356 2910100	39899 6701191	461402	1167927	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 1632441	14152 2457840	36683 5328368	463011	1077737	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 1533275	12854 2350056	32278 5356907	364192	960270	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 1039845	9604 1569210	24689 3450538	267879	651956	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31494-1

Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18

Calibration End Date: 01/07/2016 23:17

Calibration ID: 33229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	4642 2552915	21230 3829229	53551 8976712	603898	1526105	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1581942	++++ 2092260	38071 4633018	462870	1000047	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 3155869	19720 4469369	45784 10116125	694283	1842900	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 2169822	17359 3262884	44507 7550012	520398	1325420	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 2869700	24326 4381753	60411 10067699	682806	1746282	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 4018035	33770 6329552	84963 14189782	1029036	2562434	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1436799	11669 2313931	29025 5181393	378170	950468	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 3326326	24439 5386477	65584 12794460	819267	2088448	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1690907	13259 2717500	33084 6217073	423130	1069626	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 2316372	15409 3622047	34277 9005491	570502	1392969	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 3021465	15192 3768185	22143 8879836	517905	1615856	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 4753015	34526 7599920	85969 16997346	1193933	2981572	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 2513574	20944 3891081	51951 8465392	659007	1592198	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1915797	++++ 2945532	41789 6391704	519236	1222594	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 5274304	42072 8306100	98913 18586959	1317679	3310809	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 3853626	33976 6029327	79661 13456366	1018666	2461273	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 4519061	33192 7225429	81637 16666004	1070227	2767158	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 1675133	++++ 2687959	35156 6148613	398866	1000796	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 3780515	29332 6040346	68376 13791275	908204	2307843	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1899236	11842 2994111	23558 7525777	411845	1068705	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 3754766	28802 6021323	70270 14052097	920838	2262901	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington

Job No.: 200-31494-1

Analy Batch No.: 99268

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2016 17:18

Calibration End Date: 01/07/2016 23:17

Calibration ID: 33229

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 3767258	31137 5888573	71173 13563304	906659	2268703	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 5292684	39621 8513154	94445 18591057	1282485	3202691	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 4790931	34400 7573994	82669 17178710	1112225	2817124	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 3197264	24817 4915015	60614 13070857	743356	1926800	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 3018896	25261 4377583	58432 11918023	721347	1852741	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 2869987	22428 4139570	47094 10318037	601605	1621755	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 3819494	33052 5626803	71470 13363332	945756	2268778	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 1599438	++++ 2123440	++++ 5383247	402274	944739	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 2954865	23281 4586796	54379 11519715	703073	1769504	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1253262	++++ 1565122	++++ 4173263	238132	770748	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 2208580	++++ 2885253	29717 8706829	501575	1408542	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 2451849	20620 3844753	47106 9743798	573228	1431754	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 3321105	++++ 4294248	43700 14011293	879184	2338275	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1854338	15118 2612540	22759 7330219	437990	1214562	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4164	0.4065		9.76	10.0	-2.4	30.0
Dichlorodifluoromethane	Ave	2.135	2.125		9.95	10.0	-0.5	30.0
Freon 22	Ave	1.014	1.011		9.97	10.0	-0.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.404		11.2	10.0	11.6	30.0
Chloromethane	Ave	0.5832	0.5603		9.61	10.0	-3.9	30.0
n-Butane	Ave	0.9370	0.9027		9.63	10.0	-3.7	30.0
Vinyl chloride	Ave	0.7772	0.7663		9.86	10.0	-1.4	30.0
1,3-Butadiene	Ave	0.5401	0.5297		9.80	10.0	-1.9	30.0
Bromomethane	Ave	0.7680	0.7824		10.2	10.0	1.9	30.0
Chloroethane	Ave	0.3606	0.3557		9.86	10.0	-1.4	30.0
Isopentane	Ave	0.6250	0.6559		10.5	10.0	4.9	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.9094		9.84	10.0	-1.6	30.0
Trichlorofluoromethane	Ave	2.291	2.241		9.78	10.0	-2.2	30.0
n-Pentane	Ave	1.063	1.144		10.8	10.0	7.6	30.0
Ethanol	Ave	0.2636	0.2142		12.2	15.0	-18.7	30.0
Ethyl ether	Ave	0.5178	0.5762		11.1	10.0	11.3	30.0
Acrolein	Ave	0.2172	0.2671		12.3	10.0	23.0	30.0
Freon TF	Ave	1.793	1.790		9.98	10.0	-0.1	30.0
1,1-Dichloroethene	Ave	0.8656	0.8542		9.87	10.0	-1.3	30.0
Acetone	Ave	0.9159	0.9266		10.1	10.0	1.2	30.0
Carbon disulfide	Ave	2.244	2.551		11.4	10.0	13.7	30.0
Isopropyl alcohol	Ave	0.8842	0.7488		8.47	10.0	-15.3	30.0
3-Chloropropene	Ave	0.8024	0.7496		9.34	10.0	-6.6	30.0
Acetonitrile	Ave	0.4179	0.4327		10.4	10.0	3.5	30.0
Methylene Chloride	Ave	0.8036	0.7470		9.29	10.0	-7.0	30.0
tert-Butyl alcohol	Ave	1.478	1.335		9.03	10.0	-9.7	30.0
Methyl tert-butyl ether	Ave	2.445	2.464		10.1	10.0	0.8	30.0
trans-1,2-Dichloroethene	Ave	1.140	1.201		10.5	10.0	5.4	30.0
Acrylonitrile	Ave	0.5153	0.5333		10.3	10.0	3.5	30.0
n-Hexane	Ave	1.167	1.235		10.6	10.0	5.8	30.0
1,1-Dichloroethane	Ave	1.534	1.509		9.83	10.0	-1.6	30.0
Vinyl acetate	Ave	1.741	1.747		10.0	10.0	0.3	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.114		9.93	10.0	-0.7	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4900		9.68	10.0	-3.2	30.0
Ethyl acetate	Ave	0.0842	0.0925		11.0	10.0	9.8	30.0
Tetrahydrofuran	Ave	0.1476	0.1455		9.85	10.0	-1.4	30.0
Chloroform	Ave	2.148	2.142		9.97	10.0	-0.2	30.0
Cyclohexane	Ave	0.2714	0.2761		10.2	10.0	1.8	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.4040		10.1	10.0	0.7	30.0
Carbon tetrachloride	Ave	0.4336	0.4394		10.1	10.0	1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9049	0.8875		9.81	10.0	-1.9	30.0
Benzene	Ave	0.6437	0.6387		9.92	10.0	-0.8	30.0
1,2-Dichloroethane	Ave	0.2300	0.2279		9.90	10.0	-0.9	30.0
n-Heptane	Ave	0.2842	0.2758		9.70	10.0	-3.0	30.0
n-Butanol	Ave	0.0960	0.0901		9.39	10.0	-6.1	30.0
Trichloroethene	Ave	0.3126	0.3045		9.74	10.0	-2.6	30.0
1,2-Dichloropropane	Ave	0.2301	0.2224		9.66	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.2321	0.2327		10.0	10.0	0.2	30.0
1,4-Dioxane	Ave	0.1092	0.0976		8.94	10.0	-10.6	30.0
Dibromomethane	Ave	0.3490	0.3408		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.4592	0.4519		9.84	10.0	-1.6	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3662		10.0	10.0	0.0	30.0
methyl isobutyl ketone	Ave	0.3679	0.3581		9.73	10.0	-2.7	30.0
Toluene	Ave	0.5622	0.5610		9.98	10.0	-0.2	30.0
n-Octane	Ave	0.4074	0.3987		9.78	10.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3669		9.89	10.0	-1.1	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2647		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.5295	0.5252		9.92	10.0	-0.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3515		9.49	10.0	-5.1	30.0
Dibromochloromethane	Ave	0.5444	0.5217		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.5173	0.5240		10.1	10.0	1.3	30.0
Chlorobenzene	Ave	0.7973	0.7929		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.222	1.216		9.94	10.0	-0.6	30.0
n-Nonane	Ave	0.4949	0.4872		9.84	10.0	-1.5	30.0
m,p-Xylene	Ave	0.5015	0.4984		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.5029	0.4921		9.78	10.0	-2.1	30.0
Styrene	Ave	0.7800	0.7767		9.96	10.0	-0.4	30.0
Bromoform	Ave	0.4558	0.4025		8.83	10.0	-11.7	30.0
Cumene	Ave	1.427	1.404		9.84	10.0	-1.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.6911		10.1	10.0	1.0	30.0
n-Propylbenzene	Ave	1.656	1.648		9.95	10.0	-0.5	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5029		9.74	10.0	-2.6	30.0
n-Decane	Ave	0.5556	0.5293		9.52	10.0	-4.7	30.0
4-Ethyltoluene	Ave	1.329	1.432		10.8	10.0	7.8	30.0
2-Chlorotoluene	Ave	1.125	1.123		9.99	10.0	-0.1	30.0
1,3,5-Trimethylbenzene	Ave	1.137	1.196		10.5	10.0	5.2	30.0
Alpha Methyl Styrene	Ave	0.5896	0.6368		10.8	10.0	8.0	30.0
tert-Butylbenzene	Ave	1.095	1.157		10.6	10.0	5.7	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.188		10.5	10.0	5.4	30.0
sec-Butylbenzene	Ave	1.596	1.695		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.362	0.9783		7.18	10.0	-28.2	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.8788		10.5	10.0	5.0	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.8813		10.4	10.0	4.1	30.0
Benzyl chloride	Ave	0.8530	0.8702		10.2	10.0	2.0	30.0
n-Butylbenzene	Ave	1.235	1.055		8.54	10.0	-14.6	30.0
n-Undecane	Ave	0.6335	0.6218		9.81	10.0	-1.8	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.8364		10.7	10.0	6.6	30.0
n-Dodecane	Ave	0.4666	0.4988		10.7	10.0	6.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.6464		10.1	10.0	1.2	30.0
Hexachlorobutadiene	Ave	0.5884	0.6179		10.5	10.0	5.0	30.0
Naphthalene	Ave	1.303	1.232		9.45	10.0	-5.5	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5461		10.2	10.0	2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99349/2 Calibration Date: 01/11/2016 11:15
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17692_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4164	0.3994		9.59	10.0	-4.1	30.0
Dichlorodifluoromethane	Ave	2.135	2.082		9.75	10.0	-2.5	30.0
Freon 22	Ave	1.014	0.9798		9.66	10.0	-3.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.072		9.62	10.0	-3.8	30.0
Chloromethane	Ave	0.5832	0.5551		9.52	10.0	-4.8	30.0
n-Butane	Ave	0.9370	0.8482		9.05	10.0	-9.5	30.0
Vinyl chloride	Ave	0.7772	0.7484		9.63	10.0	-3.7	30.0
1,3-Butadiene	Ave	0.5401	0.4973		9.20	10.0	-7.9	30.0
Bromomethane	Ave	0.7680	0.7372		9.60	10.0	-4.0	30.0
Chloroethane	Ave	0.3606	0.3448		9.56	10.0	-4.4	30.0
Isopentane	Ave	0.6250	0.5417		8.67	10.0	-13.3	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.9060		9.80	10.0	-2.0	30.0
Trichlorofluoromethane	Ave	2.291	2.185		9.54	10.0	-4.6	30.0
n-Pentane	Ave	1.063	0.9292		8.74	10.0	-12.6	30.0
Ethanol	Ave	0.2636	0.2238		12.7	15.0	-15.1	30.0
Ethyl ether	Ave	0.5178	0.4676		9.03	10.0	-9.7	30.0
Acrolein	Ave	0.2172	0.2140		9.85	10.0	-1.5	30.0
Freon TF	Ave	1.793	1.722		9.60	10.0	-4.0	30.0
1,1-Dichloroethene	Ave	0.8656	0.8232		9.51	10.0	-4.9	30.0
Acetone	Ave	0.9159	0.7967		8.70	10.0	-13.0	30.0
Carbon disulfide	Ave	2.244	2.113		9.41	10.0	-5.8	30.0
Isopropyl alcohol	Ave	0.8842	0.7725		8.73	10.0	-12.6	30.0
3-Chloropropene	Ave	0.8024	0.6894		8.59	10.0	-14.1	30.0
Acetonitrile	Ave	0.4179	0.3677		8.80	10.0	-12.0	30.0
Methylene Chloride	Ave	0.8036	0.6953		8.65	10.0	-13.5	30.0
tert-Butyl alcohol	Ave	1.478	1.305		8.83	10.0	-11.7	30.0
Methyl tert-butyl ether	Ave	2.445	2.249		9.20	10.0	-8.0	30.0
trans-1,2-Dichloroethene	Ave	1.140	1.061		9.31	10.0	-6.9	30.0
Acrylonitrile	Ave	0.5153	0.4561		8.85	10.0	-11.5	30.0
n-Hexane	Ave	1.167	1.052		9.01	10.0	-9.9	30.0
1,1-Dichloroethane	Ave	1.534	1.423		9.28	10.0	-7.2	30.0
Vinyl acetate	Ave	1.741	1.546		8.88	10.0	-11.2	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.125		10.0	10.0	0.4	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4733		9.35	10.0	-6.5	30.0
Ethyl acetate	Ave	0.0842	0.0835		9.91	10.0	-0.9	30.0
Tetrahydrofuran	Ave	0.1476	0.1421		9.62	10.0	-3.7	30.0
Chloroform	Ave	2.148	2.120		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.2714	0.2735		10.1	10.0	0.8	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.3901		9.73	10.0	-2.7	30.0
Carbon tetrachloride	Ave	0.4336	0.4260		9.82	10.0	-1.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99349/2 Calibration Date: 01/11/2016 11:15
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17692_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9049	0.9275		10.2	10.0	2.5	30.0
Benzene	Ave	0.6437	0.6442		10.0	10.0	0.0	30.0
1,2-Dichloroethane	Ave	0.2300	0.2272		9.87	10.0	-1.2	30.0
n-Heptane	Ave	0.2842	0.2892		10.2	10.0	1.8	30.0
n-Butanol	Ave	0.0960	0.0940		9.79	10.0	-2.1	30.0
Trichloroethene	Ave	0.3126	0.3068		9.81	10.0	-1.9	30.0
1,2-Dichloropropane	Ave	0.2301	0.2428		10.5	10.0	5.5	30.0
Methyl methacrylate	Ave	0.2321	0.2315		9.97	10.0	-0.3	30.0
1,4-Dioxane	Ave	0.1092	0.1104		10.1	10.0	1.1	30.0
Dibromomethane	Ave	0.3490	0.3387		9.70	10.0	-3.0	30.0
Bromodichloromethane	Ave	0.4592	0.4650		10.1	10.0	1.3	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3774		10.3	10.0	3.2	30.0
methyl isobutyl ketone	Ave	0.3679	0.3845		10.5	10.0	4.5	30.0
Toluene	Ave	0.5622	0.5464		9.72	10.0	-2.8	30.0
n-Octane	Ave	0.4074	0.4273		10.5	10.0	4.9	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3792		10.2	10.0	2.3	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2652		10.1	10.0	0.8	30.0
Tetrachloroethene	Ave	0.5295	0.5095		9.62	10.0	-3.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3589		9.69	10.0	-3.1	30.0
Dibromochloromethane	Ave	0.5444	0.5490		10.1	10.0	0.8	30.0
1,2-Dibromoethane	Ave	0.5173	0.5205		10.1	10.0	0.6	30.0
Chlorobenzene	Ave	0.7973	0.7892		9.90	10.0	-1.0	30.0
Ethylbenzene	Ave	1.222	1.202		9.83	10.0	-1.7	30.0
n-Nonane	Ave	0.4949	0.5091		10.3	10.0	2.9	30.0
m,p-Xylene	Ave	0.5015	0.4956		19.8	20.0	-1.2	30.0
Xylene, o-	Ave	0.5029	0.4889		9.72	10.0	-2.8	30.0
Styrene	Ave	0.7800	0.7653		9.81	10.0	-1.9	30.0
Bromoform	Ave	0.4558	0.4940		10.8	10.0	8.4	30.0
Cumene	Ave	1.427	1.396		9.79	10.0	-2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.7078		10.3	10.0	3.5	30.0
n-Propylbenzene	Ave	1.656	1.680		10.1	10.0	1.4	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5273		10.2	10.0	2.1	30.0
n-Decane	Ave	0.5556	0.5535		9.96	10.0	-0.4	30.0
4-Ethyltoluene	Ave	1.329	1.420		10.7	10.0	6.8	30.0
2-Chlorotoluene	Ave	1.125	1.138		10.1	10.0	1.2	30.0
1,3,5-Trimethylbenzene	Ave	1.137	1.118		9.83	10.0	-1.7	30.0
Alpha Methyl Styrene	Ave	0.5896	0.5864		9.94	10.0	-0.5	30.0
tert-Butylbenzene	Ave	1.095	0.998		9.11	10.0	-8.9	30.0
1,2,4-Trimethylbenzene	Ave	1.127	0.9718		8.62	10.0	-13.8	30.0
sec-Butylbenzene	Ave	1.596	1.411		8.84	10.0	-11.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31480-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99349/2 Calibration Date: 01/11/2016 11:15
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17692_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.362	1.458		10.7	10.0	7.0	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.8185		9.78	10.0	-2.2	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.7603		8.98	10.0	-10.2	30.0
Benzyl chloride	Ave	0.8530	0.8131		9.53	10.0	-4.7	30.0
n-Butylbenzene	Ave	1.235	1.361		11.0	10.0	10.2	30.0
n-Undecane	Ave	0.6335	0.6654		10.5	10.0	5.0	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.6648		8.47	10.0	-15.2	30.0
n-Dodecane	Ave	0.4666	0.5467		11.7	10.0	17.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.6513		10.2	10.0	2.0	30.0
Hexachlorobutadiene	Ave	0.5884	0.6121		10.4	10.0	4.0	30.0
Naphthalene	Ave	1.303	1.332		10.2	10.0	2.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5611		10.6	10.0	5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab Sample ID: ICV 200-99268/13 Calibration Date: 01/08/2016 01:50
 Instrument ID: CHG.i Calib Start Date: 01/07/2016 17:18
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/07/2016 23:17
 Lab File ID: 17658_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4298	0.4270		9.93	10.0	-0.6	30.0
Dichlorodifluoromethane	Ave	2.992	2.905		9.71	10.0	-2.9	30.0
Freon 22	Ave	1.308	1.252		9.57	10.0	-4.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.604	2.851		10.9	10.0	9.5	30.0
Chloromethane	Ave	0.6899	0.6585		9.54	10.0	-4.5	30.0
n-Butane	Ave	0.8798	0.8636		9.81	10.0	-1.8	30.0
Vinyl chloride	Ave	0.8867	0.7814		8.81	10.0	-11.9	30.0
1,3-Butadiene	Ave	0.4834	0.4703		9.73	10.0	-2.7	30.0
Bromomethane	Ave	1.160	1.132		9.76	10.0	-2.4	30.0
Chloroethane	Ave	0.3038	0.3004		9.88	10.0	-1.1	30.0
Isopentane	Ave	0.5710	0.5803		10.2	10.0	1.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.036	1.003		9.67	10.0	-3.3	30.0
Trichlorofluoromethane	Ave	2.947	2.847		9.66	10.0	-3.4	30.0
n-Pentane	Ave	0.7751	0.8564		11.0	10.0	10.5	30.0
Ethanol	Ave	0.2041	0.1958		14.4	15.0	-4.1	30.0
Ethyl ether	Ave	0.3320	0.3630		10.9	10.0	9.3	30.0
Acrolein	Ave	0.1244	0.1627		13.1	10.0	30.8*	30.0
Freon TF	Ave	1.866	1.865		9.99	10.0	-0.0	30.0
1,1-Dichloroethene	Ave	0.7767	0.7606		9.79	10.0	-2.1	30.0
Acetone	Ave	0.7800	0.8609		11.0	10.0	10.4	30.0
Carbon disulfide	Ave	2.011	2.325		11.6	10.0	15.6	30.0
Isopropyl alcohol	Ave	0.6247	0.6059		9.70	10.0	-3.0	30.0
3-Chloropropene	Ave	0.5847	0.5985		10.2	10.0	2.4	30.0
Acetonitrile	Ave	0.2982	0.3384		11.3	10.0	13.5	30.0
Methylene Chloride	Ave	0.7416	0.7318		9.87	10.0	-1.3	30.0
tert-Butyl alcohol	Ave	0.9633	0.9635		10.0	10.0	0.0	30.0
Methyl tert-butyl ether	Ave	1.643	1.714		10.4	10.0	4.3	30.0
trans-1,2-Dichloroethene	Ave	0.9638	1.040		10.8	10.0	7.9	30.0
Acrylonitrile	Ave	0.3073	0.3413		11.1	10.0	11.1	30.0
n-Hexane	Ave	0.7119	0.7825		11.0	10.0	9.9	30.0
1,1-Dichloroethane	Ave	1.326	1.309		9.87	10.0	-1.3	30.0
Vinyl acetate	Ave	1.179	1.321		11.2	10.0	12.1	30.0
cis-1,2-Dichloroethene	Ave	0.8977	0.8944		9.96	10.0	-0.4	30.0
Methyl Ethyl Ketone	Ave	0.2922	0.2716		9.29	10.0	-7.0	30.0
Ethyl acetate	Ave	0.0352	0.0399		11.3	10.0	13.3	30.0
Tetrahydrofuran	Ave	0.1182	0.1299		11.0	10.0	9.9	30.0
Chloroform	Ave	1.989	2.046		10.3	10.0	2.9	30.0
1,1,1-Trichloroethane	Ave	0.5504	0.5503		10.0	10.0	-0.0	30.0
Cyclohexane	Ave	0.2043	0.2138		10.5	10.0	4.6	30.0
Carbon tetrachloride	Ave	0.5806	0.5568		9.59	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab Sample ID: ICV 200-99268/13 Calibration Date: 01/08/2016 01:50
 Instrument ID: CHG.i Calib Start Date: 01/07/2016 17:18
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/07/2016 23:17
 Lab File ID: 17658_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5353	0.5378		10.0	10.0	0.5	30.0
2,2,4-Trimethylpentane	Ave	0.6513	0.6903		10.6	10.0	6.0	30.0
1,2-Dichloroethane	Ave	0.3070	0.3122		10.2	10.0	1.7	30.0
n-Heptane	Ave	0.2342	0.2551		10.9	10.0	8.9	30.0
n-Butanol	Ave	0.0626	0.0685		10.9	10.0	9.4	30.0
Trichloroethene	Ave	0.3087	0.3113		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.1964	0.2057		10.5	10.0	4.7	30.0
Methyl methacrylate	Ave	0.1407	0.1582		11.2	10.0	12.5	30.0
Dibromomethane	Ave	0.4190	0.4211		10.0	10.0	0.5	30.0
1,4-Dioxane	Ave	0.0831	0.0832		10.0	10.0	0.1	30.0
Bromodichloromethane	Ave	0.5344	0.5528		10.3	10.0	3.4	30.0
cis-1,3-Dichloropropene	Ave	0.3048	0.3394		11.1	10.0	11.3	30.0
methyl isobutyl ketone	Ave	0.3531	0.3673		10.4	10.0	4.0	30.0
Toluene	Ave	0.4214	0.4632		11.0	10.0	9.9	30.0
n-Octane	Ave	0.3554	0.3973		11.2	10.0	11.8	30.0
trans-1,3-Dichloropropene	Ave	0.3231	0.3568		11.0	10.0	10.4	30.0
1,1,2-Trichloroethane	Ave	0.2425	0.2621		10.8	10.0	8.1	30.0
Tetrachloroethene	Ave	0.5739	0.5930		10.3	10.0	3.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3611	0.3829		10.6	10.0	6.0	30.0
Dibromochloromethane	Ave	0.6221	0.6386		10.3	10.0	2.6	30.0
1,2-Dibromoethane	Ave	0.4810	0.5264		10.9	10.0	9.4	30.0
Chlorobenzene	Ave	0.6450	0.6902		10.7	10.0	7.0	30.0
Ethylbenzene	Ave	0.9228	1.016		11.0	10.0	10.1	30.0
n-Nonane	Ave	0.3314	0.3856		11.6	10.0	16.4	30.0
m,p-Xylene	Ave	0.3751	0.4116		21.9	20.0	9.7	30.0
Xylene, o-	Ave	0.3822	0.4190		11.0	10.0	9.6	30.0
Styrene	Ave	0.4933	0.5641		11.4	10.0	14.3	30.0
Bromoform	Ave	0.5024	0.4515		8.98	10.0	-10.1	30.0
Cumene	Ave	1.047	1.175		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5707	0.6417		11.2	10.0	12.4	30.0
1,2,3-Trichloropropane	Ave	0.4424	0.4893		11.1	10.0	10.6	30.0
n-Propylbenzene	Ave	1.175	1.327		11.3	10.0	12.9	30.0
2-Chlorotoluene	Ave	0.8901	0.9816		11.0	10.0	10.3	30.0
4-Ethyltoluene	Ave	0.9895	1.152		11.6	10.0	16.4	30.0
n-Decane	Ave	0.3810	0.4260		11.2	10.0	11.8	30.0
1,3,5-Trimethylbenzene	Ave	0.8336	0.9405		11.3	10.0	12.8	30.0
Alpha Methyl Styrene	Ave	0.3852	0.4585		11.9	10.0	19.0	30.0
tert-Butylbenzene	Ave	0.8353	0.9327		11.2	10.0	11.7	30.0
1,2,4-Trimethylbenzene	Ave	0.8371	0.9217		11.0	10.0	10.1	30.0
sec-Butylbenzene	Ave	1.154	1.318		11.4	10.0	14.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab Sample ID: ICV 200-99268/13 Calibration Date: 01/08/2016 01:50
 Instrument ID: CHG.i Calib Start Date: 01/07/2016 17:18
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/07/2016 23:17
 Lab File ID: 17658_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.025	1.133		11.1	10.0	10.6	30.0
1,3-Dichlorobenzene	Ave	0.7146	0.7849		11.0	10.0	9.8	30.0
1,4-Dichlorobenzene	Ave	0.6783	0.7382		10.9	10.0	8.8	30.0
Benzyl chloride	Ave	0.5973	0.5977		10.0	10.0	0.0	30.0
n-Butylbenzene	Ave	0.8442	0.9051		10.7	10.0	7.2	30.0
n-Undecane	Ave	0.3454	0.4006		11.6	10.0	16.0	30.0
1,2-Dichlorobenzene	Ave	0.6562	0.7209		11.0	10.0	9.9	30.0
n-Dodecane	Ave	0.2555	0.2940		11.5	10.0	15.1	30.0
1,2,4-Trichlorobenzene	Ave	0.4638	0.5279		11.4	10.0	13.8	30.0
Hexachlorobutadiene	Ave	0.5520	0.5896		10.7	10.0	6.8	30.0
Naphthalene	Ave	0.7364	0.7879		10.7	10.0	7.0	30.0
1,2,3-Trichlorobenzene	Ave	0.3959	0.4204		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99402/2 Calibration Date: 01/12/2016 10:46
 Instrument ID: CHG.i Calib Start Date: 01/07/2016 17:18
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/07/2016 23:17
 Lab File ID: 17712_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4298	0.5259		12.2	10.0	22.4	30.0
Dichlorodifluoromethane	Ave	2.992	3.246		10.8	10.0	8.5	30.0
Freon 22	Ave	1.308	1.418		10.8	10.0	8.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.604	2.805		10.8	10.0	7.7	30.0
Chloromethane	Ave	0.6899	0.7339		10.6	10.0	6.4	30.0
n-Butane	Ave	0.8798	0.9430		10.7	10.0	7.2	30.0
Vinyl chloride	Ave	0.8867	0.8632		9.73	10.0	-2.7	30.0
1,3-Butadiene	Ave	0.4834	0.5541		11.5	10.0	14.6	30.0
Bromomethane	Ave	1.160	1.227		10.6	10.0	5.8	30.0
Chloroethane	Ave	0.3038	0.3367		11.1	10.0	10.8	30.0
Isopentane	Ave	0.5710	0.5944		10.4	10.0	4.1	30.0
Bromoethene (Vinyl Bromide)	Ave	1.036	1.222		11.8	10.0	17.9	30.0
Trichlorofluoromethane	Ave	2.947	3.130		10.6	10.0	6.2	30.0
n-Pentane	Ave	0.7751	0.8595		11.1	10.0	10.9	30.0
Ethanol	Ave	0.2041	0.2136		15.7	15.0	4.7	30.0
Ethyl ether	Ave	0.3320	0.3782		11.4	10.0	13.9	30.0
Acrolein	Ave	0.1244	0.1766		14.2	10.0	42.0*	30.0
Freon TF	Ave	1.866	2.014		10.8	10.0	7.9	30.0
1,1-Dichloroethene	Ave	0.7767	0.8477		10.9	10.0	9.1	30.0
Acetone	Ave	0.7800	0.8506		10.9	10.0	9.0	30.0
Carbon disulfide	Ave	2.011	2.252		11.2	10.0	12.0	30.0
Isopropyl alcohol	Ave	0.6247	0.7111		11.4	10.0	13.8	30.0
3-Chloropropene	Ave	0.5847	0.6806		11.6	10.0	16.4	30.0
Acetonitrile	Ave	0.2982	0.3632		12.2	10.0	21.8	30.0
Methylene Chloride	Ave	0.7416	0.7845		10.6	10.0	5.8	30.0
tert-Butyl alcohol	Ave	0.9633	1.087		11.3	10.0	12.9	30.0
Methyl tert-butyl ether	Ave	1.643	1.851		11.3	10.0	12.7	30.0
trans-1,2-Dichloroethene	Ave	0.9638	1.030		10.7	10.0	6.9	30.0
Acrylonitrile	Ave	0.3073	0.3652		11.9	10.0	18.8	30.0
n-Hexane	Ave	0.7119	0.7853		11.0	10.0	10.3	30.0
1,1-Dichloroethane	Ave	1.326	1.401		10.6	10.0	5.6	30.0
Vinyl acetate	Ave	1.179	1.425		12.1	10.0	20.8	30.0
cis-1,2-Dichloroethene	Ave	0.8977	1.008		11.2	10.0	12.2	30.0
Methyl Ethyl Ketone	Ave	0.2922	0.2890		9.89	10.0	-1.1	30.0
Ethyl acetate	Ave	0.0352	0.0428		12.1	10.0	21.3	30.0
Tetrahydrofuran	Ave	0.1182	0.1260		10.7	10.0	6.6	30.0
Chloroform	Ave	1.989	2.189		11.0	10.0	10.1	30.0
1,1,1-Trichloroethane	Ave	0.5504	0.5538		10.1	10.0	0.6	30.0
Cyclohexane	Ave	0.2043	0.2213		10.8	10.0	8.3	30.0
Carbon tetrachloride	Ave	0.5806	0.6701		11.5	10.0	15.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99402/2 Calibration Date: 01/12/2016 10:46
 Instrument ID: CHG.i Calib Start Date: 01/07/2016 17:18
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/07/2016 23:17
 Lab File ID: 17712_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5353	0.5687		10.6	10.0	6.2	30.0
2,2,4-Trimethylpentane	Ave	0.6513	0.7049		10.8	10.0	8.2	30.0
1,2-Dichloroethane	Ave	0.3070	0.3019		9.83	10.0	-1.7	30.0
n-Heptane	Ave	0.2342	0.2506		10.7	10.0	7.0	30.0
n-Butanol	Ave	0.0626	0.0676		10.8	10.0	8.0	30.0
Trichloroethene	Ave	0.3087	0.3215		10.4	10.0	4.2	30.0
1,2-Dichloropropane	Ave	0.1964	0.2124		10.8	10.0	8.2	30.0
Methyl methacrylate	Ave	0.1407	0.1632		11.6	10.0	16.0	30.0
Dibromomethane	Ave	0.4190	0.4415		10.5	10.0	5.4	30.0
1,4-Dioxane	Ave	0.0831	0.0897		10.8	10.0	7.9	30.0
Bromodichloromethane	Ave	0.5344	0.5837		10.9	10.0	9.2	30.0
cis-1,3-Dichloropropene	Ave	0.3048	0.3572		11.7	10.0	17.2	30.0
methyl isobutyl ketone	Ave	0.3531	0.3692		10.5	10.0	4.6	30.0
Toluene	Ave	0.4214	0.4990		11.8	10.0	18.4	30.0
n-Octane	Ave	0.3554	0.3909		11.0	10.0	10.0	30.0
trans-1,3-Dichloropropene	Ave	0.3231	0.3711		11.5	10.0	14.9	30.0
1,1,2-Trichloroethane	Ave	0.2425	0.2669		11.0	10.0	10.1	30.0
Tetrachloroethene	Ave	0.5739	0.6288		11.0	10.0	9.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3611	0.3780		10.5	10.0	4.7	30.0
Dibromochloromethane	Ave	0.6221	0.7545		12.1	10.0	21.3	30.0
1,2-Dibromoethane	Ave	0.4810	0.5547		11.5	10.0	15.3	30.0
Chlorobenzene	Ave	0.6450	0.7380		11.4	10.0	14.4	30.0
Ethylbenzene	Ave	0.9228	1.057		11.5	10.0	14.6	30.0
n-Nonane	Ave	0.3314	0.3840		11.6	10.0	15.9	30.0
m,p-Xylene	Ave	0.3751	0.4385		23.4	20.0	16.9	30.0
Xylene, o-	Ave	0.3822	0.4504		11.8	10.0	17.8	30.0
Styrene	Ave	0.4933	0.5982		12.1	10.0	21.3	30.0
Bromoform	Ave	0.5024	0.7045		14.0	10.0	40.2*	30.0
Cumene	Ave	1.047	1.246		11.9	10.0	19.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5707	0.6411		11.2	10.0	12.3	30.0
1,2,3-Trichloropropane	Ave	0.4424	0.4868		11.0	10.0	10.0	30.0
n-Propylbenzene	Ave	1.175	1.358		11.6	10.0	15.5	30.0
2-Chlorotoluene	Ave	0.8901	0.9938		11.2	10.0	11.7	30.0
4-Ethyltoluene	Ave	0.9895	1.167		11.8	10.0	17.9	30.0
n-Decane	Ave	0.3810	0.4116		10.8	10.0	8.0	30.0
1,3,5-Trimethylbenzene	Ave	0.8336	0.9741		11.7	10.0	16.9	30.0
Alpha Methyl Styrene	Ave	0.3852	0.4935		12.8	10.0	28.1	30.0
tert-Butylbenzene	Ave	0.8353	0.9844		11.8	10.0	17.9	30.0
1,2,4-Trimethylbenzene	Ave	0.8371	0.9630		11.5	10.0	15.0	30.0
sec-Butylbenzene	Ave	1.154	1.379		12.0	10.0	19.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31494-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99402/2 Calibration Date: 01/12/2016 10:46
 Instrument ID: CHG.i Calib Start Date: 01/07/2016 17:18
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/07/2016 23:17
 Lab File ID: 17712_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.025	1.193		11.6	10.0	16.4	30.0
1,3-Dichlorobenzene	Ave	0.7146	0.8241		11.5	10.0	15.3	30.0
1,4-Dichlorobenzene	Ave	0.6783	0.7853		11.6	10.0	15.8	30.0
Benzyl chloride	Ave	0.5973	0.7285		12.2	10.0	22.0	30.0
n-Butylbenzene	Ave	0.8442	0.9199		10.9	10.0	9.0	30.0
n-Undecane	Ave	0.3454	0.3658		10.6	10.0	5.9	30.0
1,2-Dichlorobenzene	Ave	0.6562	0.7476		11.4	10.0	13.9	30.0
n-Dodecane	Ave	0.2555	0.2896		11.3	10.0	13.4	30.0
1,2,4-Trichlorobenzene	Ave	0.4638	0.5424		11.7	10.0	16.9	30.0
Hexachlorobutadiene	Ave	0.5520	0.5602		10.1	10.0	1.5	30.0
Naphthalene	Ave	0.7364	0.8649		11.7	10.0	17.5	30.0
1,2,3-Trichlorobenzene	Ave	0.3959	0.4607		11.6	10.0	16.4	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31480-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 12/02/2015 15:20

Analysis Batch Number: 97814 End Date: 12/03/2015 02:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-97814/1		12/02/2015 15:20	1	17105_01.D	RTX-624 0.32 (mm)
IC 200-97814/3		12/02/2015 17:08	1	17105_03.D	RTX-624 0.32 (mm)
IC 200-97814/4		12/02/2015 17:58	1	17105_04.D	RTX-624 0.32 (mm)
IC 200-97814/5		12/02/2015 18:49	1	17105_05.D	RTX-624 0.32 (mm)
IC 200-97814/6		12/02/2015 19:39	1	17105_06.D	RTX-624 0.32 (mm)
ICIS 200-97814/7		12/02/2015 20:30	1	17105_07.D	RTX-624 0.32 (mm)
IC 200-97814/8		12/02/2015 21:21	1	17105_08.D	RTX-624 0.32 (mm)
IC 200-97814/9		12/02/2015 22:12	1	17105_09.D	RTX-624 0.32 (mm)
IC 200-97814/10		12/02/2015 23:02	1	17105_10.D	RTX-624 0.32 (mm)
ICV 200-97814/13		12/03/2015 01:34	1	17105_13.D	RTX-624 0.32 (mm)
ZZZZZ		12/03/2015 02:24	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31480-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 01/11/2016 10:04

Analysis Batch Number: 99349 End Date: 01/12/2016 09:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99349/1		01/11/2016 10:04	1	17692_01.D	RTX-624 0.32 (mm)
CCVIS 200-99349/2		01/11/2016 11:15	1	17692_02.D	RTX-624 0.32 (mm)
LCS 200-99349/3		01/11/2016 12:06	1	17692_03.D	RTX-624 0.32 (mm)
MB 200-99349/4		01/11/2016 12:57	1	17692_04.D	RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 13:47	1		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 14:37	8		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 15:28	1		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 16:18	8		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 17:09	8		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 17:59	7.14		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 18:49	2		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 19:39	1		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 20:30	4		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 21:20	4		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 22:11	2.99		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 23:01	10		RTX-624 0.32 (mm)
ZZZZZ		01/11/2016 23:51	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 00:41	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 01:32	1.46		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 02:22	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 03:12	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 04:02	1		RTX-624 0.32 (mm)
200-31480-6		01/12/2016 04:59	0.2	17692_23.D	RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 05:56	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 06:53	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 07:50	0.2		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 08:39	1.5		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 09:29	1.5		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31494-1

SDG No.: _____

Instrument ID: CHG.i Start Date: 01/07/2016 15:37

Analysis Batch Number: 99268 End Date: 01/08/2016 03:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99268/1		01/07/2016 15:37	1	17658_01.D	RTX-624 0.32 (mm)
VIBLK 200-99268/2		01/07/2016 16:27	1		RTX-624 0.32 (mm)
IC 200-99268/3		01/07/2016 17:18	1	17658_03.D	RTX-624 0.32 (mm)
IC 200-99268/4		01/07/2016 18:10	1	17658_04.D	RTX-624 0.32 (mm)
IC 200-99268/5		01/07/2016 19:01	1	17658_05.D	RTX-624 0.32 (mm)
IC 200-99268/6		01/07/2016 19:52	1	17658_06.D	RTX-624 0.32 (mm)
ICIS 200-99268/7		01/07/2016 20:43	1	17658_07.D	RTX-624 0.32 (mm)
IC 200-99268/8		01/07/2016 21:34	1	17658_08.D	RTX-624 0.32 (mm)
IC 200-99268/9		01/07/2016 22:26	1	17658_09.D	RTX-624 0.32 (mm)
IC 200-99268/10		01/07/2016 23:17	1	17658_10.D	RTX-624 0.32 (mm)
VIBLK 200-99268/11		01/08/2016 00:08	1		RTX-624 0.32 (mm)
VIBLK 200-99268/12		01/08/2016 01:00	1		RTX-624 0.32 (mm)
ICV 200-99268/13		01/08/2016 01:50	1	17658_13.D	RTX-624 0.32 (mm)
ZZZZZ		01/08/2016 02:42	1		RTX-624 0.32 (mm)
VIBLK 200-99268/15		01/08/2016 03:34	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31494-1

SDG No.: _____

Instrument ID: CHG.i Start Date: 01/12/2016 09:56

Analysis Batch Number: 99402 End Date: 01/13/2016 07:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99402/1		01/12/2016 09:56	1	17712_01.D	RTX-624 0.32 (mm)
CCVIS 200-99402/2		01/12/2016 10:46	1	17712_02.D	RTX-624 0.32 (mm)
LCS 200-99402/3		01/12/2016 11:37	1	17712_03.D	RTX-624 0.32 (mm)
MB 200-99402/4		01/12/2016 12:29	1	17712_04.D	RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 14:50	0.2		RTX-624 0.32 (mm)
200-31494-9		01/12/2016 15:42	0.2	17712_06.D	RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 16:34	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 17:25	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 18:17	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 19:08	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 19:59	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 20:50	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 21:42	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 22:33	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 23:24	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 00:16	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 01:07	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 01:59	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 02:50	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 03:42	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 04:33	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 05:25	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 06:17	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 07:08	1		RTX-624 0.32 (mm)

Shipping and Receiving Documents

TestAmerica Burlington

30 Community Drive
Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information Company: <u>Amet</u> Address: <u>800 North Bell Ave</u> City/State/Zip: <u>Carnegie PA 15106</u> Phone: <u>412 279 6661</u> FAX: Project Name: <u>BOA Newfane</u> Site: <u>Newfane</u> PO # Contact Rob Crowley ↳ <u>34/0161067</u>		Project Manager: Rob Crowley Phone: <u>412 279 6664</u> Email: <u>Robert.Crowley@amtec.com</u> Site Contact: <u>John Luttinger 716 998 6773</u> TA Contact: <u>Deb Chiaraluna</u> Analysis Turnaround Time Standard (Specify) <input checked="" type="checkbox"/> Rush (Specify)		Samples Collected By: <u>John Luttinger</u> 1 of 1 COCs																
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
SG-1	1/18/16	14:00					4311	✓												
SG-2	↓	14:10					4911	✓												
SG-3		14:45					6015	✓												
OA-1	↓	14:50					4263 4505 4925	✓												
Temperature (Fahrenheit) Interior Ambient 70°F Pressure (Inches of Hg) Interior Ambient Start Stop Start Stop																				
Special Instructions/QC Requirements & Comments: 200-31641 Chain of Custody																				
Samples Shipped by: <u>[Signature]</u> Date/Time: <u>1/20/16 15:15</u>														Samples Received by: <u>[Signature]</u> <u>1/20/16</u>						
Samples Requested by: <u>[Signature]</u> Date/Time: <u>1/18/16 16:20</u>														Received by: <u>[Signature]</u> <u>1/19/16 16:20</u>						
Requisitioned by: <u>[Signature]</u> Date/Time: <u>1/17/16 16:00</u>														Received by:						
Lab Use Only														Shipped Name: Condition:						

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST, NY 14228
UNITED STATES US

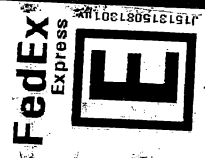
TO SAMPLE MGT.

TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11

SOUTH BURLINGTON VT 05403
REF: BURLINGTON
(802) 660-1980
DEPT: SAMPLE CONTROL

SHIP DATE: 19JAN16
ACTING: 27.7 LB
CAD: 846654/CAFE2912

BILL RECIPIENT

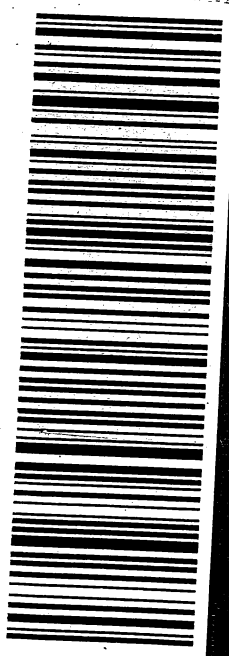


WED - 20 JAN 3:00P
STANDARD OVERNIGHT

TRK# 5657 0119 6495
0201

NB BTVA

05403
VT-US BTV



Part # 156148V-434 FIT2 08/15

539C1/0FC1/729R

151315081301

Login Sample Receipt Checklist

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 200-31641-1

SDG Number: 200-31641-1

Login Number: 31641
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	411781
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.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Thermal preservation not required.
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 (excluding tests with immediate HTs)	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.	N/A	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	