

ANALYTICAL REPORT

Job Number: 200-31275-1

SDG Number: 200-31275

Job Description: Fein Tool

For:

O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, NY 13221

Attention: Mr. Eric Alongi



Approved for release.
Don C Dawicki
Manager of Project Management
1/20/2016 7:17 AM

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01/20/2016

cc: Ms. Karen Storne

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: O'Brien & Gere Inc of North America

Project: Fein Tool

Report Number: 200-31275-1

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 12/19/2015; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Sample 2-SS-121715 was analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 12/22/2015.

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

LOW LEVEL VOLATILE ORGANIC COMPOUNDS

Samples 2-AA-121715 and 2-IA-121715 were analyzed for Low Level Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 01/13/2016.

The samples referenced above were analyzed at 4-fold dilution in order to provide for the project requested reporting limits.

No 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.: 200-31275-1SDG No.: 200-31275Instrument ID: CHX.i Analysis Batch Number: 97814Lab 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.: 200-31275-1SDG No.: 200-31275Instrument ID: CHX.i Analysis Batch Number: 98817Lab Sample ID: MB 200-98817/4 Client Sample ID: _____Date Analyzed: 12/22/15 13:39 Lab File ID: 17463_04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	7.33	Baseline	desjardin sb	12/22/15 14:19

Lab Sample ID: 200-31275-2 Client Sample ID: 2-SS-121715Date Analyzed: 12/22/15 15:30 Lab File ID: 17463_06.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.65	Baseline	desjardin sb	12/23/15 07:50
Trichloroethene	12.84	Baseline	desjardin sb	12/23/15 07:50

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31275-1SDG No.: 200-31275Instrument ID: CHE.i Analysis Batch Number: 99371Lab Sample ID: IC 200-99371/3-XXX Client Sample ID: _____Date Analyzed: 01/11/16 18:19 Lab File ID: 17702_003.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.72	Baseline	desjardin sb	01/12/16 07:59
Bromoethene (Vinyl Bromide)	4.93	Baseline	desjardin sb	01/12/16 07:59
n-Hexane	8.07	Baseline	desjardin sb	01/12/16 07:59
1,1-Dichloroethane	8.49	Baseline	desjardin sb	01/12/16 07:59
1,2-Dichloroethane	10.80	Baseline	desjardin sb	01/12/16 07:59
Trichloroethene	11.64	Baseline	desjardin sb	01/12/16 07:59
cis-1,3-Dichloropropene	13.01	Baseline	desjardin sb	01/12/16 07:59
1,1,2-Trichloroethane	14.07	Baseline	desjardin sb	01/12/16 07:59
Bromoform	16.52	Baseline	desjardin sb	01/12/16 07:59
1,1,2,2-Tetrachloroethane	17.05	Baseline	desjardin sb	01/12/16 07:59

Lab Sample ID: IC 200-99371/4-XXX Client Sample ID: _____Date Analyzed: 01/11/16 19:17 Lab File ID: 17702_004.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane	10.81	Baseline	desjardin sb	01/12/16 08:01
Trichloroethene	11.64	Baseline	desjardin sb	01/12/16 08:01

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31275-1SDG No.: 200-31275Instrument ID: CHE.i Analysis Batch Number: 99371Lab Sample ID: IC 200-99371/5 Client Sample ID: _____Date Analyzed: 01/11/16 20:15 Lab File ID: 17702_005.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	11.64	Baseline	desjardin sb	01/12/16 08:02
1,2-Dichloropropane	12.01	Baseline	desjardin sb	01/12/16 08:02

Lab Sample ID: IC 200-99371/18 Client Sample ID: _____Date Analyzed: 01/12/16 08:54 Lab File ID: 17702_018.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromoethene (Vinyl Bromide)	4.93	Missed Peak	desjardin sb	01/13/16 09:49
3-Chloropropene	6.98	Missed Peak	desjardin sb	01/13/16 09:49
1,1-Dichloroethane	8.50	Missed Peak	desjardin sb	01/13/16 09:49
1,2-Dichloroethane	10.82	Missed Peak	desjardin sb	01/13/16 09:49
Trichloroethene	11.65	Missed Peak	desjardin sb	01/13/16 09:49
1,2-Dichloropropane	12.01	Missed Peak	desjardin sb	01/13/16 09:49
trans-1,3-Dichloropropene	13.81	Missed Peak	desjardin sb	01/13/16 09:49
Bromoform	16.52	Missed Peak	desjardin sb	01/13/16 09:49
1,1,2,2-Tetrachloroethane	17.05	Missed Peak	desjardin sb	01/13/16 09:49

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31275-1SDG No.: 200-31275Instrument ID: CHE.i Analysis Batch Number: 99371Lab Sample ID: IC 200-99371/19 Client Sample ID: _____Date Analyzed: 01/12/16 09:52 Lab File ID: 17702_019.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane	10.81	Missed Peak	desjardin sb	01/13/16 09:53
Trichloroethene	11.63	Missed Peak	desjardin sb	01/13/16 09:53
1,2-Dichloropropane	12.01	Missed Peak	desjardin sb	01/13/16 09:53

SAMPLE SUMMARY

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-31275-1	2-AA-121715	Air	12/17/2015 1442	12/19/2015 0945
200-31275-2	2-SS-121715	Air	12/17/2015 1440	12/19/2015 0945
200-31275-3	2-IA-121715	Air	12/17/2015 1444	12/19/2015 0945

EXECUTIVE SUMMARY - Detections

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-31275-1 2-AA-121715						
Dichlorodifluoromethane		0.35		0.040	ppb v/v	TO15 LL
Dichlorodifluoromethane		1.7		0.20	ug/m3	TO15 LL
Trichlorofluoromethane		0.15		0.040	ppb v/v	TO15 LL
Trichlorofluoromethane		0.84		0.22	ug/m3	TO15 LL
n-Hexane		0.11		0.080	ppb v/v	TO15 LL
n-Hexane		0.38		0.28	ug/m3	TO15 LL
Carbon tetrachloride		0.048		0.040	ppb v/v	TO15 LL
Carbon tetrachloride		0.30		0.25	ug/m3	TO15 LL
2,2,4-Trimethylpentane		0.055		0.040	ppb v/v	TO15 LL
2,2,4-Trimethylpentane		0.26		0.19	ug/m3	TO15 LL
Benzene		0.15		0.040	ppb v/v	TO15 LL
Benzene		0.48		0.13	ug/m3	TO15 LL
n-Heptane		0.060		0.040	ppb v/v	TO15 LL
n-Heptane		0.25		0.16	ug/m3	TO15 LL
Toluene		0.28		0.040	ppb v/v	TO15 LL
Toluene		1.0		0.15	ug/m3	TO15 LL
Ethylbenzene		0.046		0.040	ppb v/v	TO15 LL
Ethylbenzene		0.20		0.17	ug/m3	TO15 LL
o-Xylene		0.047		0.040	ppb v/v	TO15 LL
o-Xylene		0.20		0.17	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.12		0.080	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.52		0.35	ug/m3	TO15 LL
Xylenes, Total		0.17		0.040	ppb v/v	TO15 LL
Xylenes, Total		0.72		0.17	ug/m3	TO15 LL
200-31275-2 2-SS-121715						
Dichlorodifluoromethane		2.1		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		11		2.5	ug/m3	TO-15
Toluene		1.3		0.20	ppb v/v	TO-15
Toluene		5.1		0.75	ug/m3	TO-15
Tetrachloroethene		11		0.20	ppb v/v	TO-15
Tetrachloroethene		72		1.4	ug/m3	TO-15
m,p-Xylene		0.82		0.50	ppb v/v	TO-15
m,p-Xylene		3.6		2.2	ug/m3	TO-15
Xylene, o-		0.28		0.20	ppb v/v	TO-15
Xylene, o-		1.2		0.87	ug/m3	TO-15
Xylene (total)		1.1		0.70	ppb v/v	TO-15
Xylene (total)		4.8		3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-31275-3	2-IA-121715					
Dichlorodifluoromethane		0.42		0.040	ppb v/v	TO15 LL
Dichlorodifluoromethane		2.1		0.20	ug/m3	TO15 LL
Trichlorofluoromethane		0.17		0.040	ppb v/v	TO15 LL
Trichlorofluoromethane		0.93		0.22	ug/m3	TO15 LL
Methylene Chloride		0.43		0.40	ppb v/v	TO15 LL
Methylene Chloride		1.5		1.4	ug/m3	TO15 LL
n-Hexane		0.12		0.080	ppb v/v	TO15 LL
n-Hexane		0.44		0.28	ug/m3	TO15 LL
Cyclohexane		0.043		0.040	ppb v/v	TO15 LL
Cyclohexane		0.15		0.14	ug/m3	TO15 LL
Carbon tetrachloride		0.061		0.040	ppb v/v	TO15 LL
Carbon tetrachloride		0.38		0.25	ug/m3	TO15 LL
2,2,4-Trimethylpentane		0.042		0.040	ppb v/v	TO15 LL
2,2,4-Trimethylpentane		0.19		0.19	ug/m3	TO15 LL
Benzene		0.17		0.040	ppb v/v	TO15 LL
Benzene		0.55		0.13	ug/m3	TO15 LL
n-Heptane		0.18		0.040	ppb v/v	TO15 LL
n-Heptane		0.73		0.16	ug/m3	TO15 LL
Toluene		0.28		0.040	ppb v/v	TO15 LL
Toluene		1.0		0.15	ug/m3	TO15 LL
Ethylbenzene		0.059		0.040	ppb v/v	TO15 LL
Ethylbenzene		0.26		0.17	ug/m3	TO15 LL
o-Xylene		0.059		0.040	ppb v/v	TO15 LL
o-Xylene		0.25		0.17	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.14		0.080	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.59		0.35	ug/m3	TO15 LL
Xylenes, Total		0.20		0.040	ppb v/v	TO15 LL
Xylenes, Total		0.85		0.17	ug/m3	TO15 LL

METHOD SUMMARY

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister
Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	TAL BUR	EPA TO15 LL	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD
EPA TO15 LL	Desjardins, William R	WRD

Analytical Data

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Client Sample ID: 2-SS-121715

Lab Sample ID: 200-31275-2

Client Matrix: Air

Date Sampled: 12/17/2015 1440

Date Received: 12/19/2015 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-98817	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17463_06.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	12/22/2015 1530			Final Weight/Volume:	200 mL
Prep Date:	12/22/2015 1530			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	2.1		0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Vinyl chloride	0.20	U	0.20
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
1,1-Dichloroethene	0.20	U	0.20
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
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
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
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	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
Toluene	1.3		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	11		0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.82		0.50
Xylene, o-	0.28		0.20
Xylene (total)	1.1		0.70
Bromoform	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	11		2.5

Analytical Data

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Client Sample ID: 2-SS-121715

Lab Sample ID: 200-31275-2

Client Matrix: Air

Date Sampled: 12/17/2015 1440

Date Received: 12/19/2015 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-98817	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17463_06.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	12/22/2015 1530			Final Weight/Volume:	200 mL
Prep Date:	12/22/2015 1530			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Vinyl chloride	0.51	U	0.51
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
1,1-Dichloroethene	0.79	U	0.79
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
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
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
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	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
Toluene	5.1		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	72		1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Ethylbenzene	0.87	U	0.87
m,p-Xylene	3.6		2.2
Xylene, o-	1.2		0.87
Xylene (total)	4.8		3.0
Bromoform	2.1	U	2.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98

Analytical Data

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Client Sample ID: 2-AA-121715

Lab Sample ID: 200-31275-1

Date Sampled: 12/17/2015 1442

Client Matrix: Air

Date Received: 12/19/2015 0945

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-99436	Instrument ID:	CHE.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17734_005.D
Dilution:	4.0			Initial Weight/Volume:	125 mL
Analysis Date:	01/13/2016 0903			Final Weight/Volume:	500 mL
Prep Date:	01/13/2016 0903			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.35		0.040
1,2-Dichlorotetrafluoroethane	0.040	U	0.040
Vinyl chloride	0.080	U	0.080
1,3-Butadiene	0.080	U	0.080
Bromomethane	0.080	U	0.080
Chloroethane	0.080	U	0.080
Bromoethene(Vinyl Bromide)	0.080	U	0.080
Trichlorofluoromethane	0.15		0.040
1,1-Dichloroethene	0.040	U	0.040
3-Chloropropene	0.080	U	0.080
Methylene Chloride	0.40	U	0.40
Methyl tert-butyl ether	0.040	U	0.040
trans-1,2-Dichloroethene	0.040	U	0.040
n-Hexane	0.11		0.080
1,1-Dichloroethane	0.040	U	0.040
cis-1,2-Dichloroethene	0.040	U	0.040
Chloroform	0.040	U	0.040
1,1,1-Trichloroethane	0.040	U	0.040
Cyclohexane	0.040	U	0.040
Carbon tetrachloride	0.048		0.040
2,2,4-Trimethylpentane	0.055		0.040
Benzene	0.15		0.040
1,2-Dichloroethane	0.080	U	0.080
n-Heptane	0.060		0.040
Trichloroethene	0.040	U	0.040
1,2-Dichloropropane	0.080	U	0.080
Bromodichloromethane	0.040	U	0.040
cis-1,3-Dichloropropene	0.040	U	0.040
Toluene	0.28		0.040
trans-1,3-Dichloropropene	0.040	U	0.040
1,1,2-Trichloroethane	0.040	U	0.040
Tetrachloroethene	0.040	U	0.040
Dibromochloromethane	0.040	U	0.040
1,2-Dibromoethane	0.040	U	0.040
Ethylbenzene	0.046		0.040
o-Xylene	0.047		0.040
Bromoform	0.040	U	0.040
1,1,2,2-Tetrachloroethane	0.040	U	0.040
4-Ethyltoluene	0.040	U	0.040
1,3,5-Trimethylbenzene	0.080	U	0.080
1,2-Dichloroethene, Total	0.040	U	0.040
m-Xylene & p-Xylene	0.12		0.080
Xylenes, Total	0.17		0.040

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	1.7		0.20

Analytical Data

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Client Sample ID: 2-AA-121715

Lab Sample ID: 200-31275-1

Date Sampled: 12/17/2015 1442

Client Matrix: Air

Date Received: 12/19/2015 0945

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-99436	Instrument ID:	CHE.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17734_005.D
Dilution:	4.0			Initial Weight/Volume:	125 mL
Analysis Date:	01/13/2016 0903			Final Weight/Volume:	500 mL
Prep Date:	01/13/2016 0903			Injection Volume:	500 mL

Analyte	Result (ug/m3)	Qualifier	RL
1,2-Dichlorotetrafluoroethane	0.28	U	0.28
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.18	U	0.18
Bromomethane	0.31	U	0.31
Chloroethane	0.21	U	0.21
Bromoethene(Vinyl Bromide)	0.35	U	0.35
Trichlorofluoromethane	0.84		0.22
1,1-Dichloroethene	0.16	U	0.16
3-Chloropropene	0.25	U	0.25
Methylene Chloride	1.4	U	1.4
Methyl tert-butyl ether	0.14	U	0.14
trans-1,2-Dichloroethene	0.16	U	0.16
n-Hexane	0.38		0.28
1,1-Dichloroethane	0.16	U	0.16
cis-1,2-Dichloroethene	0.16	U	0.16
Chloroform	0.20	U	0.20
1,1,1-Trichloroethane	0.22	U	0.22
Cyclohexane	0.14	U	0.14
Carbon tetrachloride	0.30		0.25
2,2,4-Trimethylpentane	0.26		0.19
Benzene	0.48		0.13
1,2-Dichloroethane	0.32	U	0.32
n-Heptane	0.25		0.16
Trichloroethene	0.21	U	0.21
1,2-Dichloropropane	0.37	U	0.37
Bromodichloromethane	0.27	U	0.27
cis-1,3-Dichloropropene	0.18	U	0.18
Toluene	1.0		0.15
trans-1,3-Dichloropropene	0.18	U	0.18
1,1,2-Trichloroethane	0.22	U	0.22
Tetrachloroethene	0.27	U	0.27
Dibromochloromethane	0.34	U	0.34
1,2-Dibromoethane	0.31	U	0.31
Ethylbenzene	0.20		0.17
o-Xylene	0.20		0.17
Bromoform	0.41	U	0.41
1,1,2,2-Tetrachloroethane	0.27	U	0.27
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.39	U	0.39
1,2-Dichloroethene, Total	0.16	U	0.16
m-Xylene & p-Xylene	0.52		0.35
Xylenes, Total	0.72		0.17

Analytical Data

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Client Sample ID: 2-IA-121715

Lab Sample ID: 200-31275-3

Client Matrix: Air

Date Sampled: 12/17/2015 1444

Date Received: 12/19/2015 0945

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-99436	Instrument ID:	CHE.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17734_006.D
Dilution:	4.0			Initial Weight/Volume:	125 mL
Analysis Date:	01/13/2016 1001			Final Weight/Volume:	500 mL
Prep Date:	01/13/2016 1001			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.42		0.040
1,2-Dichlorotetrafluoroethane	0.040	U	0.040
Vinyl chloride	0.080	U	0.080
1,3-Butadiene	0.080	U	0.080
Bromomethane	0.080	U	0.080
Chloroethane	0.080	U	0.080
Bromoethene(Vinyl Bromide)	0.080	U	0.080
Trichlorofluoromethane	0.17		0.040
1,1-Dichloroethene	0.040	U	0.040
3-Chloropropene	0.080	U	0.080
Methylene Chloride	0.43		0.40
Methyl tert-butyl ether	0.040	U	0.040
trans-1,2-Dichloroethene	0.040	U	0.040
n-Hexane	0.12		0.080
1,1-Dichloroethane	0.040	U	0.040
cis-1,2-Dichloroethene	0.040	U	0.040
Chloroform	0.040	U	0.040
1,1,1-Trichloroethane	0.040	U	0.040
Cyclohexane	0.043		0.040
Carbon tetrachloride	0.061		0.040
2,2,4-Trimethylpentane	0.042		0.040
Benzene	0.17		0.040
1,2-Dichloroethane	0.080	U	0.080
n-Heptane	0.18		0.040
Trichloroethene	0.040	U	0.040
1,2-Dichloropropane	0.080	U	0.080
Bromodichloromethane	0.040	U	0.040
cis-1,3-Dichloropropene	0.040	U	0.040
Toluene	0.28		0.040
trans-1,3-Dichloropropene	0.040	U	0.040
1,1,2-Trichloroethane	0.040	U	0.040
Tetrachloroethene	0.040	U	0.040
Dibromochloromethane	0.040	U	0.040
1,2-Dibromoethane	0.040	U	0.040
Ethylbenzene	0.059		0.040
o-Xylene	0.059		0.040
Bromoform	0.040	U	0.040
1,1,2,2-Tetrachloroethane	0.040	U	0.040
4-Ethyltoluene	0.040	U	0.040
1,3,5-Trimethylbenzene	0.080	U	0.080
1,2-Dichloroethene, Total	0.040	U	0.040
m-Xylene & p-Xylene	0.14		0.080
Xylenes, Total	0.20		0.040

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.1		0.20

Analytical Data

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Client Sample ID: 2-IA-121715

Lab Sample ID: 200-31275-3

Date Sampled: 12/17/2015 1444

Client Matrix: Air

Date Received: 12/19/2015 0945

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-99436	Instrument ID:	CHE.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17734_006.D
Dilution:	4.0			Initial Weight/Volume:	125 mL
Analysis Date:	01/13/2016 1001			Final Weight/Volume:	500 mL
Prep Date:	01/13/2016 1001			Injection Volume:	500 mL

Analyte	Result (ug/m3)	Qualifier	RL
1,2-Dichlorotetrafluoroethane	0.28	U	0.28
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.18	U	0.18
Bromomethane	0.31	U	0.31
Chloroethane	0.21	U	0.21
Bromoethene(Vinyl Bromide)	0.35	U	0.35
Trichlorofluoromethane	0.93		0.22
1,1-Dichloroethene	0.16	U	0.16
3-Chloropropene	0.25	U	0.25
Methylene Chloride	1.5		1.4
Methyl tert-butyl ether	0.14	U	0.14
trans-1,2-Dichloroethene	0.16	U	0.16
n-Hexane	0.44		0.28
1,1-Dichloroethane	0.16	U	0.16
cis-1,2-Dichloroethene	0.16	U	0.16
Chloroform	0.20	U	0.20
1,1,1-Trichloroethane	0.22	U	0.22
Cyclohexane	0.15		0.14
Carbon tetrachloride	0.38		0.25
2,2,4-Trimethylpentane	0.19		0.19
Benzene	0.55		0.13
1,2-Dichloroethane	0.32	U	0.32
n-Heptane	0.73		0.16
Trichloroethene	0.21	U	0.21
1,2-Dichloropropane	0.37	U	0.37
Bromodichloromethane	0.27	U	0.27
cis-1,3-Dichloropropene	0.18	U	0.18
Toluene	1.0		0.15
trans-1,3-Dichloropropene	0.18	U	0.18
1,1,2-Trichloroethane	0.22	U	0.22
Tetrachloroethene	0.27	U	0.27
Dibromochloromethane	0.34	U	0.34
1,2-Dibromoethane	0.31	U	0.31
Ethylbenzene	0.26		0.17
o-Xylene	0.25		0.17
Bromoform	0.41	U	0.41
1,1,2,2-Tetrachloroethane	0.27	U	0.27
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.39	U	0.39
1,2-Dichloroethene, Total	0.16	U	0.16
m-Xylene & p-Xylene	0.59		0.35
Xylenes, Total	0.85		0.17

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Method Blank - Batch: 200-98817

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-98817/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 12/22/2015 1339
Prep Date: 12/22/2015 1339
Leach Date: N/A

Analysis Batch: 200-98817
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHX.i
Lab File ID: 17463_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
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Vinyl chloride	0.20	U	0.20
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
1,1-Dichloroethene	0.20	U	0.20
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
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
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.40	U	0.40
Chloroform	0.20	U	0.20
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
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	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
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
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	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
Bromoform	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Method Blank - Batch: 200-98817

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-98817/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 12/22/2015 1339
Prep Date: 12/22/2015 1339
Leach Date: N/A

Analysis Batch: 200-98817
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: CHX.i
Lab File ID: 17463_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
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Vinyl chloride	0.51	U	0.51
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
1,1-Dichloroethene	0.79	U	0.79
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
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
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	1.6	U	1.6
Chloroform	0.98	U	0.98
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
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	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
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
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
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
Bromoform	2.1	U	2.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Lab Control Sample - Batch: 200-98817

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-98817/3
Client Matrix: Air
Dilution: 1.0
Analysis Date: 12/22/2015 1248
Prep Date: 12/22/2015 1248
Leach Date: N/A

Analysis Batch: 200-98817
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHX.i
Lab File ID: 17463_03.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.70	97	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70 - 130	
Vinyl chloride	10.0	9.04	90	70 - 130	
1,3-Butadiene	10.0	8.40	84	70 - 130	
Bromomethane	10.0	9.99	100	70 - 130	
Chloroethane	10.0	8.70	87	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.66	97	70 - 130	
Trichlorofluoromethane	10.0	9.39	94	70 - 130	
1,1-Dichloroethene	10.0	9.61	96	70 - 130	
3-Chloropropene	10.0	7.18	72	70 - 130	
Methylene Chloride	10.0	8.22	82	70 - 130	
Methyl tert-butyl ether	10.0	9.02	90	70 - 130	
trans-1,2-Dichloroethene	10.0	9.45	95	70 - 130	
n-Hexane	10.0	9.28	93	70 - 130	
1,1-Dichloroethane	10.0	9.08	91	70 - 130	
cis-1,2-Dichloroethene	10.0	9.84	98	70 - 130	
Chloroform	10.0	9.76	98	70 - 130	
1,1,1-Trichloroethane	10.0	10.3	103	70 - 130	
Cyclohexane	10.0	10.7	107	70 - 130	
Carbon tetrachloride	10.0	10.6	106	70 - 130	
2,2,4-Trimethylpentane	10.0	10.2	102	70 - 130	
Benzene	10.0	10.3	103	70 - 130	
1,2-Dichloroethane	10.0	10.1	102	70 - 130	
n-Heptane	10.0	9.90	99	70 - 130	
Trichloroethene	10.0	10.1	101	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	70 - 130	
Bromodichloromethane	10.0	9.93	99	70 - 130	
cis-1,3-Dichloropropene	10.0	10.4	104	70 - 130	
Toluene	10.0	9.88	99	70 - 130	
trans-1,3-Dichloropropene	10.0	10.2	102	70 - 130	
1,1,2-Trichloroethane	10.0	10.4	104	70 - 130	
Tetrachloroethene	10.0	10.2	102	70 - 130	
Dibromochloromethane	10.0	9.02	90	70 - 130	
1,2-Dibromoethane	10.0	10.4	104	70 - 130	
Ethylbenzene	10.0	9.93	99	70 - 130	
m,p-Xylene	20.0	20.1	100	70 - 130	
Xylene, o-	10.0	9.69	97	70 - 130	
Bromoform	10.0	7.44	74	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70 - 130	
4-Ethyltoluene	10.0	10.9	109	70 - 130	
1,3,5-Trimethylbenzene	10.0	8.61	86	70 - 130	

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Method Blank - Batch: 200-99436

Method: TO15 LL

Preparation: Summa Canister

Lab Sample ID: MB 200-99436/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 01/12/2016 1911
Prep Date: 01/12/2016 1911
Leach Date: N/A

Analysis Batch: 200-99436
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHE.i
Lab File ID: 17734_004.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL
Injection Volume: 500 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.010	U	0.010
1,2-Dichlorotetrafluoroethane	0.010	U	0.010
Vinyl chloride	0.020	U	0.020
1,3-Butadiene	0.020	U	0.020
Bromomethane	0.020	U	0.020
Chloroethane	0.020	U	0.020
Bromoethene(Vinyl Bromide)	0.020	U	0.020
Trichlorofluoromethane	0.010	U	0.010
1,1-Dichloroethene	0.010	U	0.010
3-Chloropropene	0.020	U	0.020
Methylene Chloride	0.10	U	0.10
Methyl tert-butyl ether	0.010	U	0.010
trans-1,2-Dichloroethene	0.010	U	0.010
n-Hexane	0.020	U	0.020
1,1-Dichloroethane	0.010	U	0.010
cis-1,2-Dichloroethene	0.010	U	0.010
Chloroform	0.010	U	0.010
1,1,1-Trichloroethane	0.010	U	0.010
Cyclohexane	0.010	U	0.010
Carbon tetrachloride	0.010	U	0.010
2,2,4-Trimethylpentane	0.010	U	0.010
Benzene	0.010	U	0.010
1,2-Dichloroethane	0.020	U	0.020
n-Heptane	0.010	U	0.010
Trichloroethene	0.010	U	0.010
1,2-Dichloropropane	0.020	U	0.020
Bromodichloromethane	0.010	U	0.010
cis-1,3-Dichloropropene	0.010	U	0.010
Toluene	0.010	U	0.010
trans-1,3-Dichloropropene	0.010	U	0.010
1,1,2-Trichloroethane	0.010	U	0.010
Tetrachloroethene	0.010	U	0.010
Dibromochloromethane	0.010	U	0.010
1,2-Dibromoethane	0.010	U	0.010
Ethylbenzene	0.010	U	0.010
o-Xylene	0.010	U	0.010
Bromoform	0.010	U	0.010
1,1,2,2-Tetrachloroethane	0.010	U	0.010
4-Ethyltoluene	0.010	U	0.010
1,3,5-Trimethylbenzene	0.020	U	0.020
1,2-Dichloroethene, Total	0.010	U	0.010
m-Xylene & p-Xylene	0.020	U	0.020
Xylenes, Total	0.010	U	0.010

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Method Blank - Batch: 200-99436

Method: TO15 LL

Preparation: Summa Canister

Lab Sample ID: MB 200-99436/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 01/12/2016 1911
Prep Date: 01/12/2016 1911
Leach Date: N/A

Analysis Batch: 200-99436
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: CHE.i
Lab File ID: 17734_004.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL
Injection Volume: 500 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.049	U	0.049
1,2-Dichlorotetrafluoroethane	0.070	U	0.070
Vinyl chloride	0.051	U	0.051
1,3-Butadiene	0.044	U	0.044
Bromomethane	0.078	U	0.078
Chloroethane	0.053	U	0.053
Bromoethene(Vinyl Bromide)	0.087	U	0.087
Trichlorofluoromethane	0.056	U	0.056
1,1-Dichloroethene	0.040	U	0.040
3-Chloropropene	0.063	U	0.063
Methylene Chloride	0.35	U	0.35
Methyl tert-butyl ether	0.036	U	0.036
trans-1,2-Dichloroethene	0.040	U	0.040
n-Hexane	0.070	U	0.070
1,1-Dichloroethane	0.040	U	0.040
cis-1,2-Dichloroethene	0.040	U	0.040
Chloroform	0.049	U	0.049
1,1,1-Trichloroethane	0.055	U	0.055
Cyclohexane	0.034	U	0.034
Carbon tetrachloride	0.063	U	0.063
2,2,4-Trimethylpentane	0.047	U	0.047
Benzene	0.032	U	0.032
1,2-Dichloroethane	0.081	U	0.081
n-Heptane	0.041	U	0.041
Trichloroethene	0.054	U	0.054
1,2-Dichloropropane	0.092	U	0.092
Bromodichloromethane	0.067	U	0.067
cis-1,3-Dichloropropene	0.045	U	0.045
Toluene	0.038	U	0.038
trans-1,3-Dichloropropene	0.045	U	0.045
1,1,2-Trichloroethane	0.055	U	0.055
Tetrachloroethene	0.068	U	0.068
Dibromochloromethane	0.085	U	0.085
1,2-Dibromoethane	0.077	U	0.077
Ethylbenzene	0.043	U	0.043
o-Xylene	0.043	U	0.043
Bromoform	0.10	U	0.10
1,1,2,2-Tetrachloroethane	0.069	U	0.069
4-Ethyltoluene	0.049	U	0.049
1,3,5-Trimethylbenzene	0.098	U	0.098
1,2-Dichloroethene, Total	0.040	U	0.040
m-Xylene & p-Xylene	0.087	U	0.087
Xylenes, Total	0.043	U	0.043

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Lab Control Sample - Batch: 200-99436

Method: TO15 LL

Preparation: Summa Canister

Lab Sample ID: LCS 200-99436/3
Client Matrix: Air
Dilution: 1.0
Analysis Date: 01/12/2016 1813
Prep Date: 01/12/2016 1813
Leach Date: N/A

Analysis Batch: 200-99436
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHE.i
Lab File ID: 17734_003.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 500 mL
Injection Volume: 500 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	0.201	0.205	102	70 - 130	
1,2-Dichlorotetrafluoroethane	0.201	0.241	120	70 - 130	
Vinyl chloride	0.201	0.205	102	70 - 130	
1,3-Butadiene	0.201	0.227	113	70 - 130	
Bromomethane	0.201	0.222	111	70 - 130	
Chloroethane	0.201	0.226	112	70 - 130	
Bromoethene(Vinyl Bromide)	0.201	0.230	114	70 - 130	
Trichlorofluoromethane	0.201	0.212	105	70 - 130	
1,1-Dichloroethene	0.201	0.220	109	70 - 130	
3-Chloropropene	0.201	0.192	96	70 - 130	
Methylene Chloride	0.201	0.262	130	70 - 130	
Methyl tert-butyl ether	0.201	0.214	106	70 - 130	
trans-1,2-Dichloroethene	0.201	0.238	118	70 - 130	
n-Hexane	0.201	0.237	118	70 - 130	
1,1-Dichloroethane	0.201	0.224	112	70 - 130	
cis-1,2-Dichloroethene	0.201	0.201	100	70 - 130	
Chloroform	0.201	0.224	112	70 - 130	
1,1,1-Trichloroethane	0.201	0.233	116	70 - 130	
Cyclohexane	0.201	0.228	113	70 - 130	
Carbon tetrachloride	0.201	0.223	111	70 - 130	
2,2,4-Trimethylpentane	0.201	0.233	116	70 - 130	
Benzene	0.201	0.207	103	70 - 130	
1,2-Dichloroethane	0.201	0.228	113	70 - 130	
n-Heptane	0.201	0.216	108	70 - 130	
Trichloroethene	0.201	0.220	110	70 - 130	
1,2-Dichloropropane	0.201	0.222	111	70 - 130	
Bromodichloromethane	0.201	0.252	125	70 - 130	
cis-1,3-Dichloropropene	0.201	0.226	112	70 - 130	
Toluene	0.201	0.200	100	70 - 130	
trans-1,3-Dichloropropene	0.201	0.244	122	70 - 130	
1,1,2-Trichloroethane	0.201	0.214	106	70 - 130	
Tetrachloroethene	0.201	0.215	107	70 - 130	
Dibromochloromethane	0.201	0.201	100	70 - 130	
1,2-Dibromoethane	0.201	0.211	105	70 - 130	
Ethylbenzene	0.201	0.213	106	70 - 130	
o-Xylene	0.201	0.205	102	70 - 130	
Bromoform	0.201	0.197	98	70 - 130	
1,1,2,2-Tetrachloroethane	0.201	0.217	108	70 - 130	
4-Ethyltoluene	0.201	0.230	114	70 - 130	
1,3,5-Trimethylbenzene	0.201	0.232	116	70 - 130	
m-Xylene & p-Xylene	0.401	0.403	100	70 - 130	

DATA REPORTING QUALIFIERS

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

Lab Section	Qualifier	Description
Air - GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

Sdg Number: 200-31275

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-98817					
LCS 200-98817/3	Lab Control Sample	T	Air	TO-15	
MB 200-98817/4	Method Blank	T	Air	TO-15	
200-31275-2	2-SS-121715	T	Air	TO-15	
Analysis Batch:200-99436					
LCS 200-99436/3	Lab Control Sample	T	Air	TO15 LL	
MB 200-99436/4	Method Blank	T	Air	TO15 LL	
200-31275-1	2-AA-121715	T	Air	TO15 LL	
200-31275-3	2-IA-121715	T	Air	TO15 LL	

Report Basis

T = Total

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1
SDG: 200-31275

Laboratory Chronicle

Lab ID: 200-31275-1

Client ID: 2-AA-121715

Sample Date/Time: 12/17/2015 14:42 Received Date/Time: 12/19/2015 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31275-A-1		200-99436		01/13/2016 09:03	4	TAL BUR	WRD
A:TO15 LL	200-31275-A-1		200-99436		01/13/2016 09:03	4	TAL BUR	WRD

Lab ID: 200-31275-2

Client ID: 2-SS-121715

Sample Date/Time: 12/17/2015 14:40 Received Date/Time: 12/19/2015 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31275-A-2		200-98817		12/22/2015 15:30	1	TAL BUR	WRD
A:TO-15	200-31275-A-2		200-98817		12/22/2015 15:30	1	TAL BUR	WRD

Lab ID: 200-31275-3

Client ID: 2-IA-121715

Sample Date/Time: 12/17/2015 14:44 Received Date/Time: 12/19/2015 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31275-A-3		200-99436		01/13/2016 10:01	4	TAL BUR	WRD
A:TO15 LL	200-31275-A-3		200-99436		01/13/2016 10:01	4	TAL BUR	WRD

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 200-98817/4		200-98817		12/22/2015 13:39	1	TAL BUR	WRD
A:TO-15	MB 200-98817/4		200-98817		12/22/2015 13:39	1	TAL BUR	WRD
P:Summa Canister	MB 200-99436/4		200-99436		01/12/2016 19:11	1	TAL BUR	WRD
A:TO15 LL	MB 200-99436/4		200-99436		01/12/2016 19:11	1	TAL BUR	WRD

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 200-98817/3		200-98817		12/22/2015 12:48	1	TAL BUR	WRD
A:TO-15	LCS 200-98817/3		200-98817		12/22/2015 12:48	1	TAL BUR	WRD
P:Summa Canister	LCS 200-99436/3		200-99436		01/12/2016 18:13	1	TAL BUR	WRD
A:TO15 LL	LCS 200-99436/3		200-99436		01/12/2016 18:13	1	TAL BUR	WRD

Quality Control Results

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1
SDG: 200-31275

Laboratory Chronicle

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Fein Tool

TestAmerica Job ID: 200-31275-1
SDG: 200-31275

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 Low Level

Volatile Organic Compounds - Low
level (GC/MS) by Method TO 15

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Matrix: Air Level: Low Lab File ID: 17734_003.D
Lab ID: LCS 200-99436/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.201	0.205	102	70-130	
1,2-Dichlorotetrafluoroethane	0.201	0.241	120	70-130	
Vinyl chloride	0.201	0.205	102	70-130	
1,3-Butadiene	0.201	0.227	113	70-130	
Bromomethane	0.201	0.222	111	70-130	
Chloroethane	0.201	0.226	112	70-130	
Bromoethene (Vinyl Bromide)	0.201	0.230	114	70-130	
Trichlorofluoromethane	0.201	0.212	105	70-130	
1,1-Dichloroethene	0.201	0.220	109	70-130	
3-Chloropropene	0.201	0.192	96	70-130	
Methylene Chloride	0.201	0.262	130	70-130	
Methyl tert-butyl ether	0.201	0.214	106	70-130	
trans-1,2-Dichloroethene	0.201	0.238	118	70-130	
n-Hexane	0.201	0.237	118	70-130	
1,1-Dichloroethane	0.201	0.224	112	70-130	
cis-1,2-Dichloroethene	0.201	0.201	100	70-130	
Chloroform	0.201	0.224	112	70-130	
1,1,1-Trichloroethane	0.201	0.233	116	70-130	
Cyclohexane	0.201	0.228	113	70-130	
Carbon tetrachloride	0.201	0.223	111	70-130	
2,2,4-Trimethylpentane	0.201	0.233	116	70-130	
Benzene	0.201	0.207	103	70-130	
1,2-Dichloroethane	0.201	0.228	113	70-130	
n-Heptane	0.201	0.216	108	70-130	
Trichloroethene	0.201	0.220	110	70-130	
1,2-Dichloropropane	0.201	0.222	111	70-130	
Bromodichloromethane	0.201	0.252	125	70-130	
cis-1,3-Dichloropropene	0.201	0.226	112	70-130	
Toluene	0.201	0.200	100	70-130	
trans-1,3-Dichloropropene	0.201	0.244	122	70-130	
1,1,2-Trichloroethane	0.201	0.214	106	70-130	
Tetrachloroethene	0.201	0.215	107	70-130	
Dibromochloromethane	0.201	0.201	100	70-130	
1,2-Dibromoethane	0.201	0.211	105	70-130	
Ethylbenzene	0.201	0.213	106	70-130	
o-Xylene	0.201	0.205	102	70-130	
Bromoform	0.201	0.197	98	70-130	
1,1,2,2-Tetrachloroethane	0.201	0.217	108	70-130	
4-Ethyltoluene	0.201	0.230	114	70-130	
1,3,5-Trimethylbenzene	0.201	0.232	116	70-130	
m-Xylene & p-Xylene	0.401	0.403	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.: 200-31275-1
SDG No.: 200-31275
Lab File ID: 17734_004.D Lab Sample ID: MB 200-99436/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHE.i Date Analyzed: 01/12/2016 19:11
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 200-99436/3	17734_003.D	01/12/2016 18:13
2-AA-121715	200-31275-1	17734_005.D	01/13/2016 09:03
2-IA-121715	200-31275-3	17734_006.D	01/13/2016 10:01

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Lab File ID: 177020_001.D BFB Injection Date: 01/11/2016
 Instrument ID: CHE.i BFB Injection Time: 16:27
 Analysis Batch No.: 99371

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	45.0
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	97.9
175	4.0 - 9.0 % of mass 174	6.9 (7.1) 1
176	93.0 - 101.0% of mass 174	95.8 (97.8) 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
	IC 200-99371/3-XXX	17702_003.D	01/11/2016	18:19
	IC 200-99371/4-XXX	17702_004.D	01/11/2016	19:17
	IC 200-99371/5	17702_005.D	01/11/2016	20:15
	IC 200-99371/6	17702_006.D	01/11/2016	21:14
	ICIS 200-99371/7	17702_007.D	01/11/2016	22:12
	IC 200-99371/8	17702_008.D	01/11/2016	23:10
	IC 200-99371/9	17702_009.D	01/12/2016	00:09
	IC 200-99371/10	17702_010.D	01/12/2016	01:07
	IC 200-99371/11	17702_011.D	01/12/2016	02:05
	IC 200-99371/12	17702_012.D	01/12/2016	03:04
	IC 200-99371/18	17702_018.D	01/12/2016	08:54
	IC 200-99371/19	17702_019.D	01/12/2016	09:52
	IC 200-99371/20	17702_020.D	01/12/2016	10:50
	ICV 200-99371/23	17702_023.D	01/12/2016	15:17

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Lab File ID: 17734_001.D BFB Injection Date: 01/12/2016
 Instrument ID: CHE.i BFB Injection Time: 16:07
 Analysis Batch No.: 99436

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.7
75	30.0 - 66.0% of mass 95	50.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	94.6
175	4.0 - 9.0 % of mass 174	6.7 (7.1) 1
176	93.0 - 101.0% of mass 174	91.9 (97.1) 1
177	5.0 - 9.0% of mass 176	5.9 (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 200-99436/2	17734_002.D	01/12/2016	17:14
	LCS 200-99436/3	17734_003.D	01/12/2016	18:13
	MB 200-99436/4	17734_004.D	01/12/2016	19:11
2-AA-121715	200-31275-1	17734_005.D	01/13/2016	09:03
2-IA-121715	200-31275-3	17734_006.D	01/13/2016	10:01

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Sample No.: ICIS 200-99371/7 Date Analyzed: 01/11/2016 22:12
 Instrument ID: CHE.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17702_007.D Heated Purge: (Y/N) N
 Calibration ID: 33264

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	549170	9.82	2121448	11.27	2301092	15.41	
UPPER LIMIT	768838	10.15	2970027	11.60	3221529	15.74	
LOWER LIMIT	329502	9.49	1272869	10.94	1380655	15.08	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-99371/23		566632	9.81	2473257	11.27	2471780	15.41

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-31275-1
 SDG No.: 200-31275
 Sample No.: CCVIS 200-99436/2 Date Analyzed: 01/12/2016 17:14
 Instrument ID: CHE.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17734_002.D Heated Purge: (Y/N) N
 Calibration ID: 33264

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	708246	9.82	3049705	11.27	3020200	15.41	
UPPER LIMIT	991544	10.15	4269587	11.60	4228280	15.74	
LOWER LIMIT	424948	9.49	1829823	10.94	1812120	15.08	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-99436/3		534452	9.82	2013743	11.27	2216982	15.41
MB 200-99436/4		562998	9.82	2122260	11.27	2404433	15.41
200-31275-1	2-AA-121715	711513	9.81	3216194	11.27	3123316	15.41
200-31275-3	2-IA-121715	582379	9.81	2342861	11.27	2466870	15.41

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

RT Limit = $\pm$ 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: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: <u>2-AA-121715</u>	Lab Sample ID: <u>200-31275-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>17734_005.D</u>
Analysis Method: <u>TO15 LL</u>	Date Collected: <u>12/17/2015 14:42</u>
Sample wt/vol: <u>125(mL)</u>	Date Analyzed: <u>01/13/2016 09:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>99436</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.35		0.040	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.040	U	0.040	
75-01-4	Vinyl chloride	62.50	0.080	U	0.080	
106-99-0	1,3-Butadiene	54.09	0.080	U	0.080	
74-83-9	Bromomethane	94.94	0.080	U	0.080	
75-00-3	Chloroethane	64.52	0.080	U	0.080	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.080	U	0.080	
75-69-4	Trichlorofluoromethane	137.37	0.15		0.040	
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	
107-05-1	3-Chloropropene	76.53	0.080	U	0.080	
75-09-2	Methylene Chloride	84.93	0.40	U	0.40	
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.040	
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	
110-54-3	n-Hexane	86.17	0.11		0.080	
75-34-3	1,1-Dichloroethane	98.96	0.040	U	0.040	
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	
67-66-3	Chloroform	119.38	0.040	U	0.040	
71-55-6	1,1,1-Trichloroethane	133.41	0.040	U	0.040	
110-82-7	Cyclohexane	84.16	0.040	U	0.040	
56-23-5	Carbon tetrachloride	153.81	0.048		0.040	
540-84-1	2,2,4-Trimethylpentane	114.23	0.055		0.040	
71-43-2	Benzene	78.11	0.15		0.040	
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.080	
142-82-5	n-Heptane	100.21	0.060		0.040	
79-01-6	Trichloroethene	131.39	0.040	U	0.040	
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.080	
75-27-4	Bromodichloromethane	163.83	0.040	U	0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.040	
108-88-3	Toluene	92.14	0.28		0.040	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.040	
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.040	
127-18-4	Tetrachloroethene	165.83	0.040	U	0.040	
124-48-1	Dibromochloromethane	208.29	0.040	U	0.040	
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.040	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: 2-AA-121715 Lab Sample ID: 200-31275-1
Matrix: Air Lab File ID: 17734_005.D
Analysis Method: TO15 LL Date Collected: 12/17/2015 14:42
Sample wt/vol: 125 (mL) Date Analyzed: 01/13/2016 09:03
Soil Aliquot Vol: _____ Dilution Factor: 4
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 99436 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.046		0.040	
95-47-6	o-Xylene	106.17	0.047		0.040	
75-25-2	Bromoform	252.75	0.040	U	0.040	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.040	
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.040	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.080	U	0.080	
540-59-0	1,2-Dichloroethene, Total	96.94	0.040	U	0.040	
179601-23-1	m-Xylene & p-Xylene	106.17	0.12		0.080	
1330-20-7	Xylenes, Total	106.17	0.17		0.040	

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: <u>2-AA-121715</u>	Lab Sample ID: <u>200-31275-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>17734_005.D</u>
Analysis Method: <u>TO15 LL</u>	Date Collected: <u>12/17/2015 14:42</u>
Sample wt/vol: <u>125(mL)</u>	Date Analyzed: <u>01/13/2016 09:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>99436</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	1.7		0.20	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.28	U	0.28	
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	
106-99-0	1,3-Butadiene	54.09	0.18	U	0.18	
74-83-9	Bromomethane	94.94	0.31	U	0.31	
75-00-3	Chloroethane	64.52	0.21	U	0.21	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.35	U	0.35	
75-69-4	Trichlorofluoromethane	137.37	0.84		0.22	
75-35-4	1,1-Dichloroethene	96.94	0.16	U	0.16	
107-05-1	3-Chloropropene	76.53	0.25	U	0.25	
75-09-2	Methylene Chloride	84.93	1.4	U	1.4	
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.14	
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.16	
110-54-3	n-Hexane	86.17	0.38		0.28	
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.16	
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	U	0.16	
67-66-3	Chloroform	119.38	0.20	U	0.20	
71-55-6	1,1,1-Trichloroethane	133.41	0.22	U	0.22	
110-82-7	Cyclohexane	84.16	0.14	U	0.14	
56-23-5	Carbon tetrachloride	153.81	0.30		0.25	
540-84-1	2,2,4-Trimethylpentane	114.23	0.26		0.19	
71-43-2	Benzene	78.11	0.48		0.13	
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.32	
142-82-5	n-Heptane	100.21	0.25		0.16	
79-01-6	Trichloroethene	131.39	0.21	U	0.21	
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.37	
75-27-4	Bromodichloromethane	163.83	0.27	U	0.27	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.18	
108-88-3	Toluene	92.14	1.0		0.15	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.18	
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	0.22	
127-18-4	Tetrachloroethene	165.83	0.27	U	0.27	
124-48-1	Dibromochloromethane	208.29	0.34	U	0.34	
106-93-4	1,2-Dibromoethane	187.87	0.31	U	0.31	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: 2-AA-121715 Lab Sample ID: 200-31275-1
Matrix: Air Lab File ID: 17734_005.D
Analysis Method: TO15 LL Date Collected: 12/17/2015 14:42
Sample wt/vol: 125 (mL) Date Analyzed: 01/13/2016 09:03
Soil Aliquot Vol: _____ Dilution Factor: 4
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 99436 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.20		0.17	
95-47-6	o-Xylene	106.17	0.20		0.17	
75-25-2	Bromoform	252.75	0.41	U	0.41	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	0.27	
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.39	U	0.39	
540-59-0	1,2-Dichloroethene, Total	96.94	0.16	U	0.16	
179601-23-1	m-Xylene & p-Xylene	106.17	0.52		0.35	
1330-20-7	Xylenes, Total	106.17	0.72		0.17	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D
 Lims ID: 200-31275-A-1 Lab Sample ID: 200-31275-1
 Client ID: 2-AA-121715
 Sample Type: Client
 Inject. Date: 13-Jan-2016 09:03:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 4.0000
 Sample Info: 200-0017734-005
 Misc. Info.: 31275-1
 Operator ID: wrd Instrument ID: CHE.i
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 14-Jan-2016 12:15:41 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 15:09:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	98	50496	0.0866	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.377				ND	
4 Vinyl chloride	62		3.704				ND	
5 Butadiene	54		3.773				ND	
6 Bromomethane	94		4.362				ND	
7 Chloroethane	64		4.560				ND	
8 Vinyl bromide	106		4.923				ND	
9 Trichlorofluoromethane	101	5.030	5.025	0.005	98	24156	0.0375	
11 1,1-Dichloroethene	96		6.186				ND	
12 3-Chloro-1-propene	41		6.972				ND	
13 Methylene Chloride	49	7.251	7.261	-0.010	92	10907	0.0590	
14 Methyl tert-butyl ether	73		7.668				ND	
15 trans-1,2-Dichloroethene	61		7.700				ND	
16 Hexane	57	8.069	8.069	0.000	94	6015	0.0268	
17 1,1-Dichloroethane	63		8.486				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.444				ND	
* 20 Chlorobromomethane	128	9.813	9.818	-0.005	84	711513	2.00	
21 Chloroform	83	9.899	9.904	-0.005	1	1396	0.003758	
22 1,1,1-Trichloroethane	97		10.155				ND	
23 Cyclohexane	84	10.172	10.171	0.001	83	1893	0.007232	
24 Carbon tetrachloride	117	10.364	10.369	-0.005	96	6505	0.0119	
25 Isooctane	57	10.680	10.674	0.006	87	11123	0.0137	
26 Benzene	78	10.690	10.696	-0.006	96	21487	0.0374	
27 1,2-Dichloroethane	62		10.813				ND	
28 n-Heptane	43	10.947	10.947	0.000	90	4822	0.0150	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	94	3216194	2.00	
30 Trichloroethene	95		11.637				ND	
31 1,2-Dichloropropane	63		12.006				ND	
32 Dichlorobromomethane	83		12.376				ND	
33 cis-1,3-Dichloropropene	75		13.012				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
34 Toluene	92	13.435	13.435	0.000	96	25077	0.0688	
35 trans-1,3-Dichloropropene	75		13.815				ND	
36 1,1,2-Trichloroethane	83		14.077				ND	
37 Tetrachloroethene	166	14.216	14.210	0.006	92	2993	0.008398	
38 Chlorodibromomethane	129		14.633				ND	
39 Ethylene Dibromide	107		14.831				ND	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	3123316	2.00	
42 Ethylbenzene	91	15.521	15.526	-0.005	98	9179	0.0116	
43 m-Xylene & p-Xylene	106	15.676	15.682	-0.006	0	9652	0.0297	
S 44 Xylenes, Total	106				0		0.0414	
45 o-Xylene	106	16.206	16.201	0.005	97	3645	0.0117	
46 Bromoform	173		16.516				ND	
47 1,1,2,2-Tetrachloroethane	83		17.040				ND	
48 4-Ethyltoluene	105		17.244				ND	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	86	2608	0.003321	

Reagents:

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Worklist Smp#: 5

Client ID: 2-AA-121715

Purge Vol: 500.000 mL

Dil. Factor: 4.0000

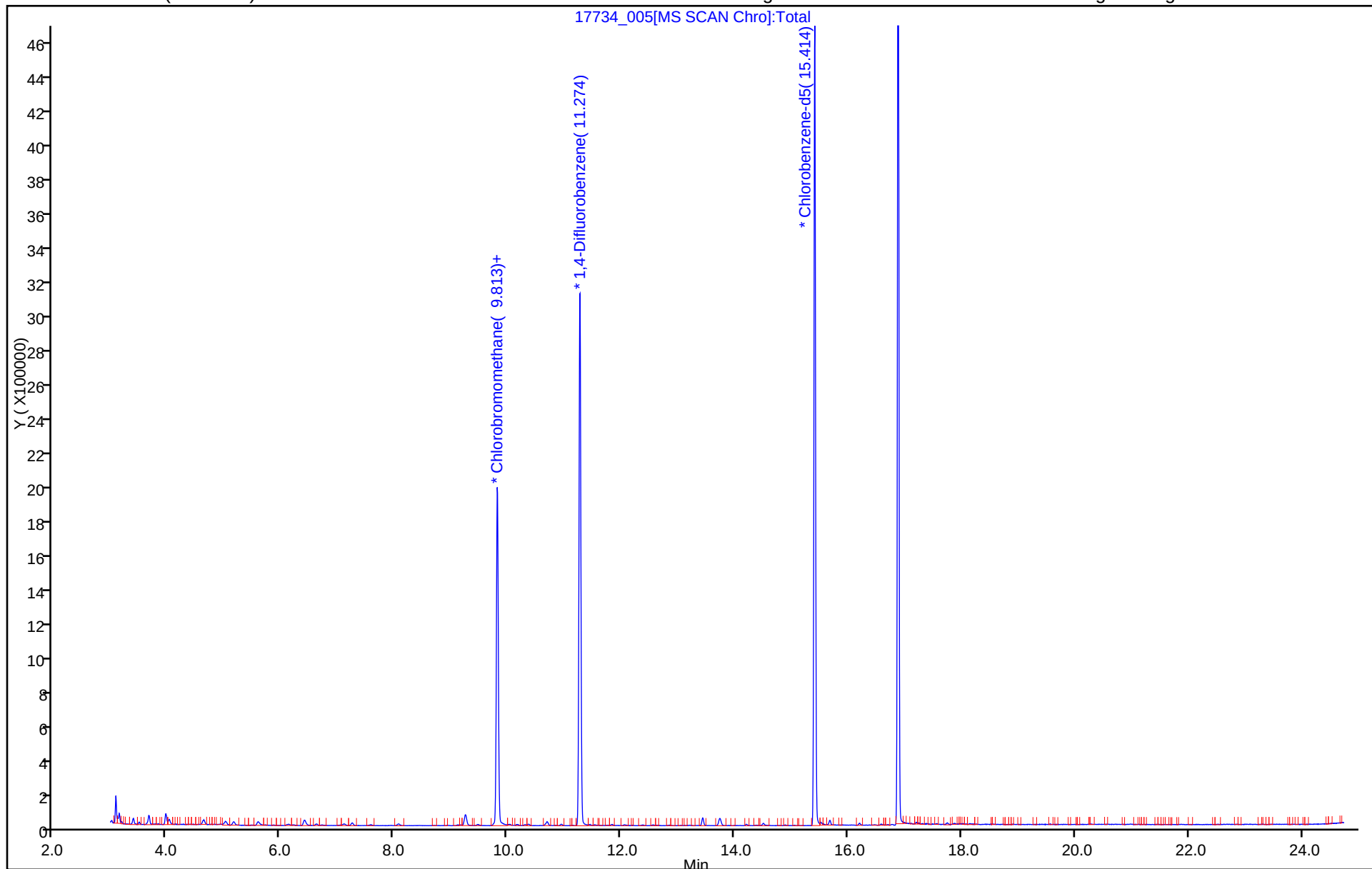
ALS Bottle#: 5

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

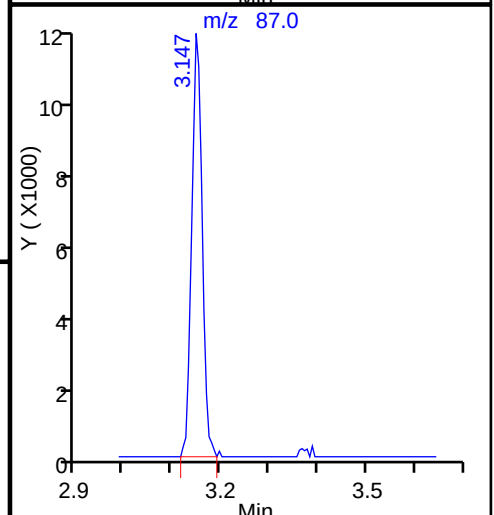
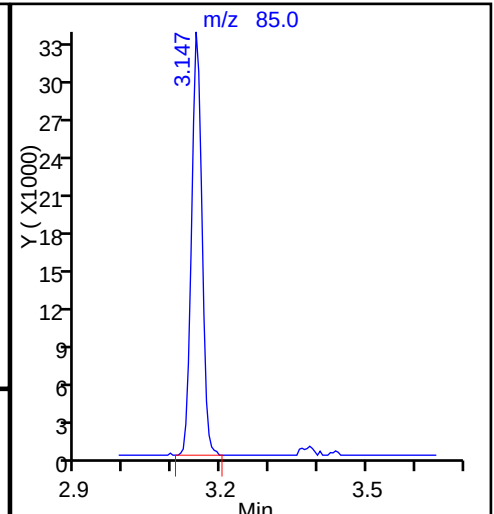
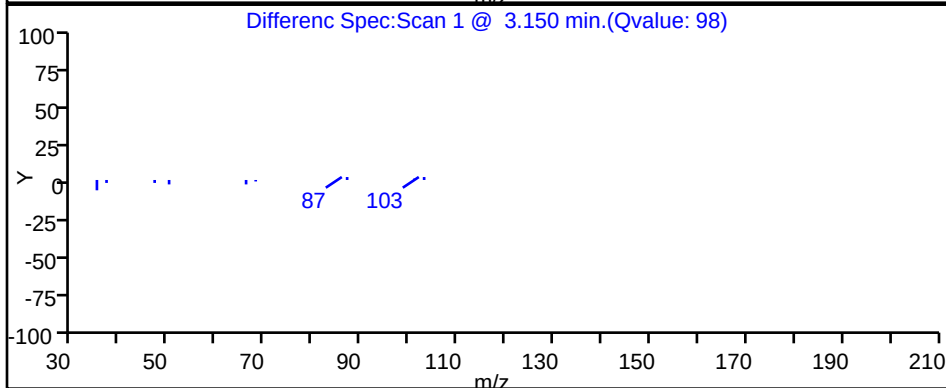
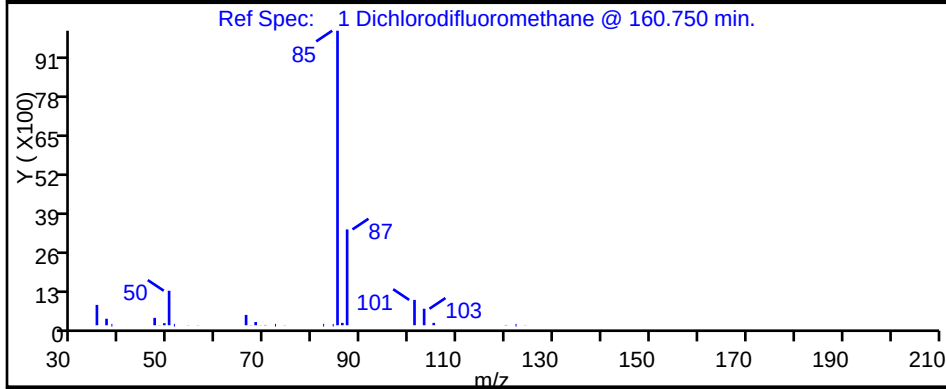
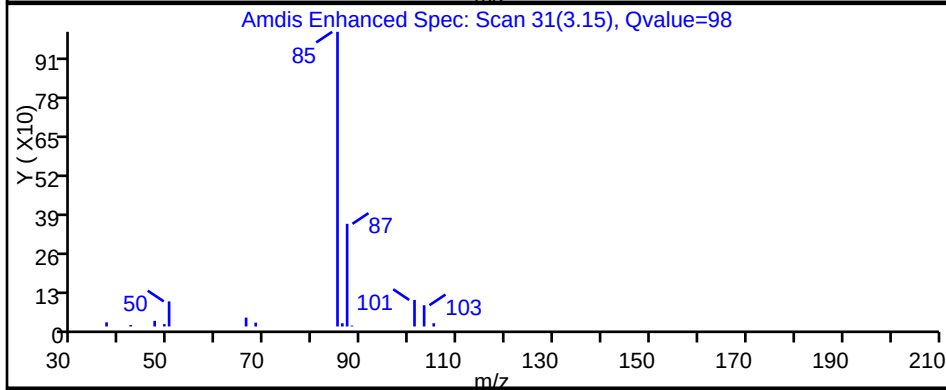
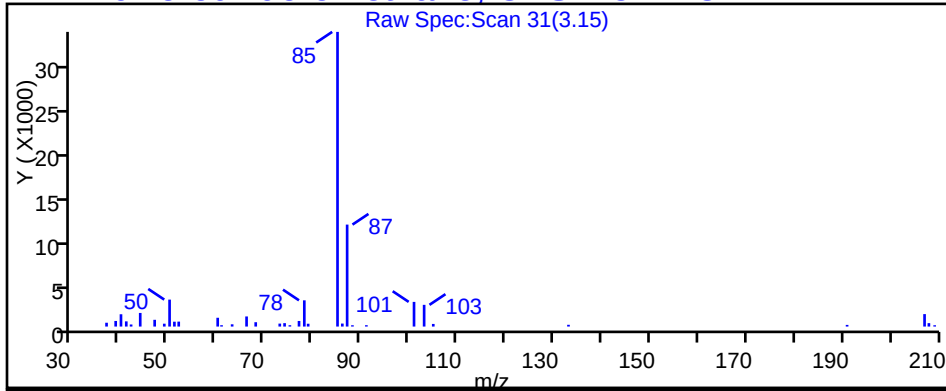
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

1 Dichlorodifluoromethane, CAS: 75-71-8

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 4.0000

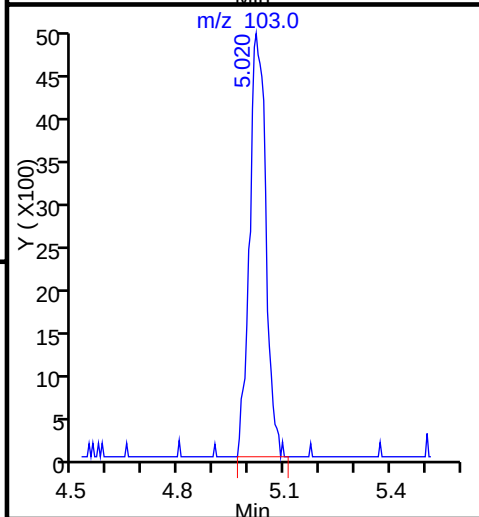
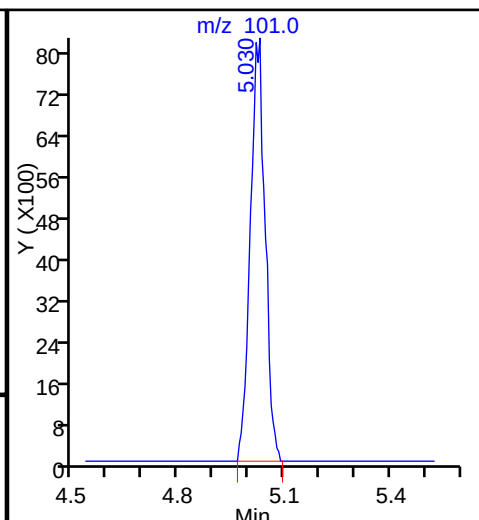
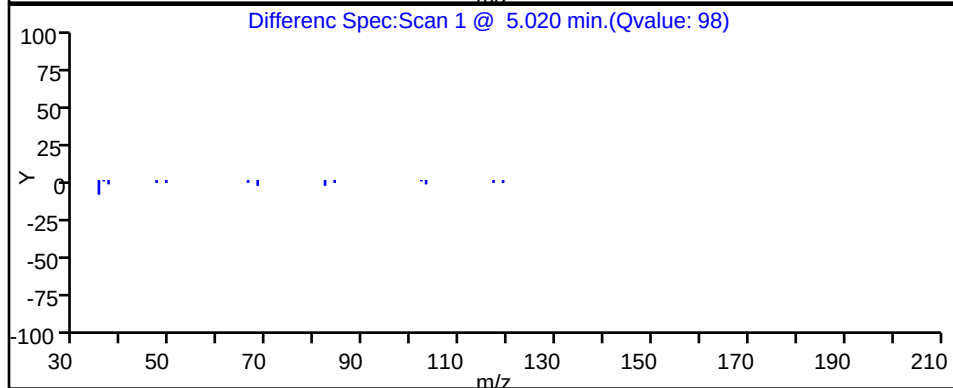
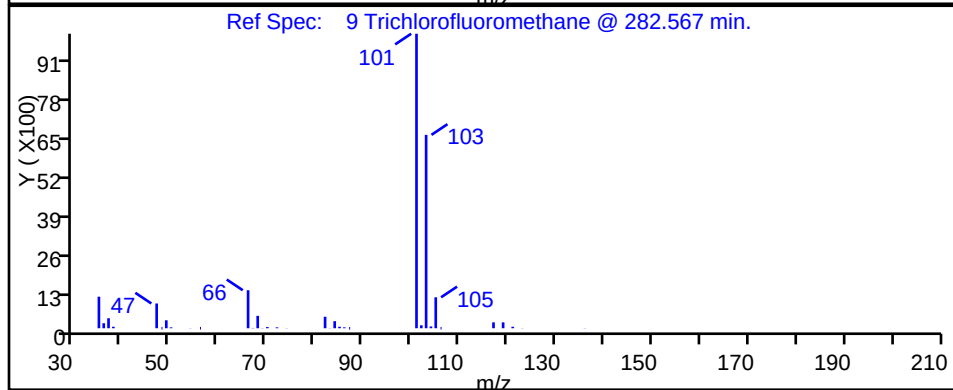
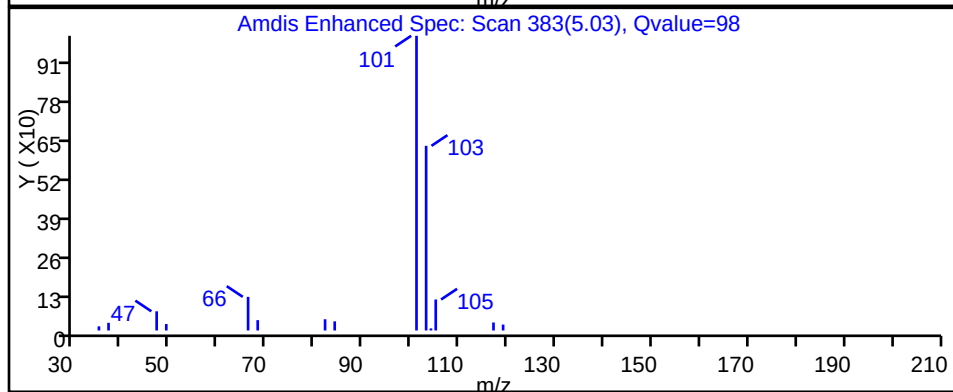
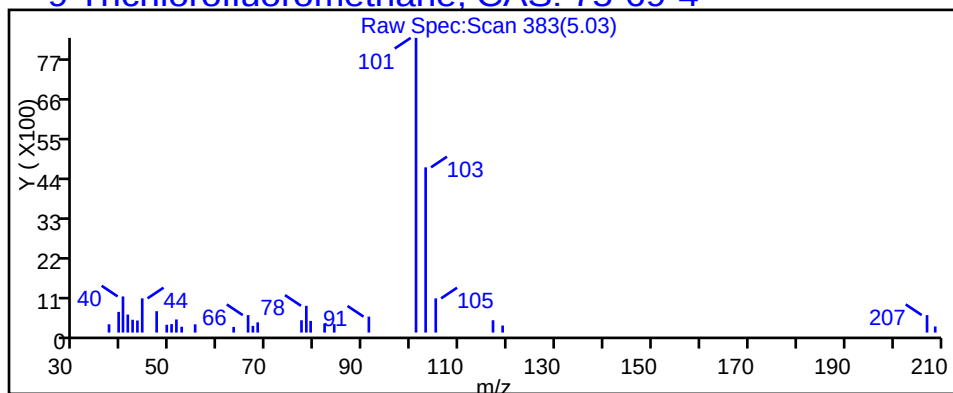
Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

9 Trichlorofluoromethane, CAS: 75-69-4



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

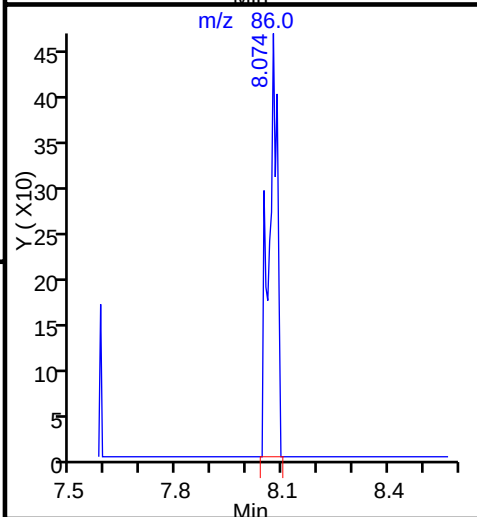
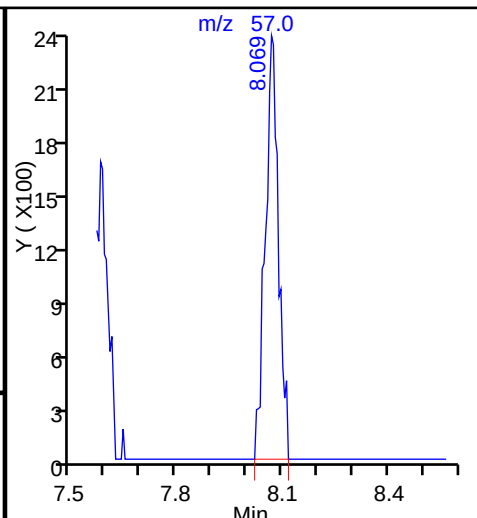
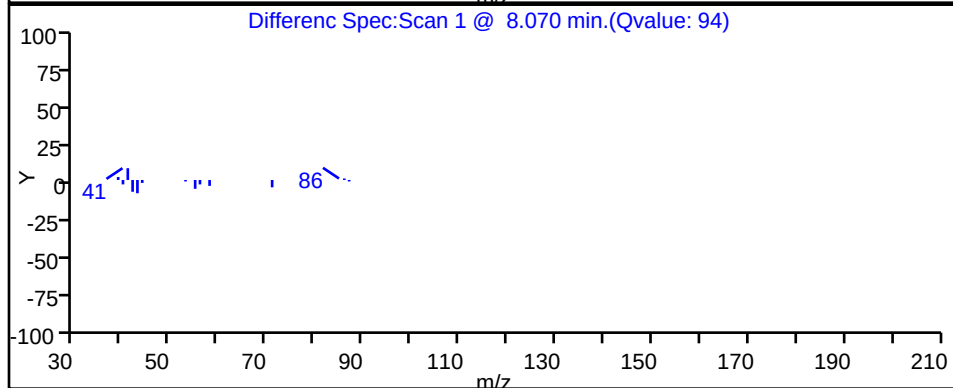
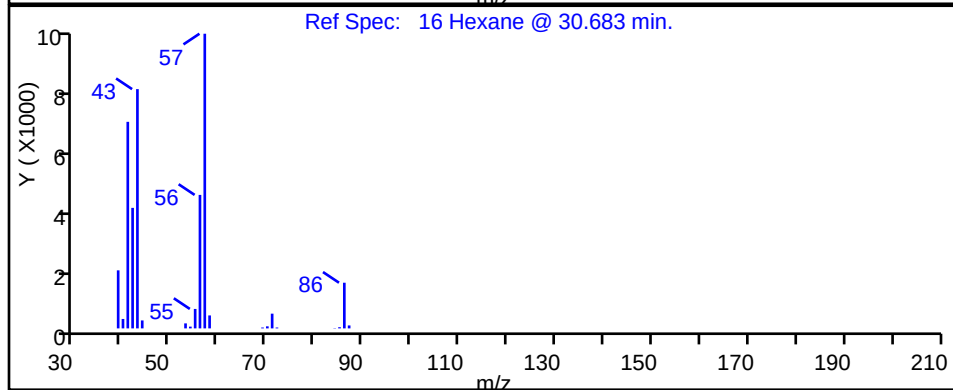
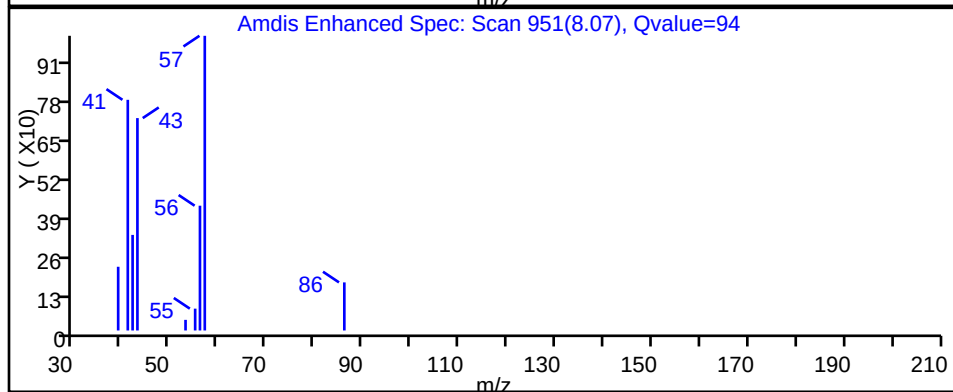
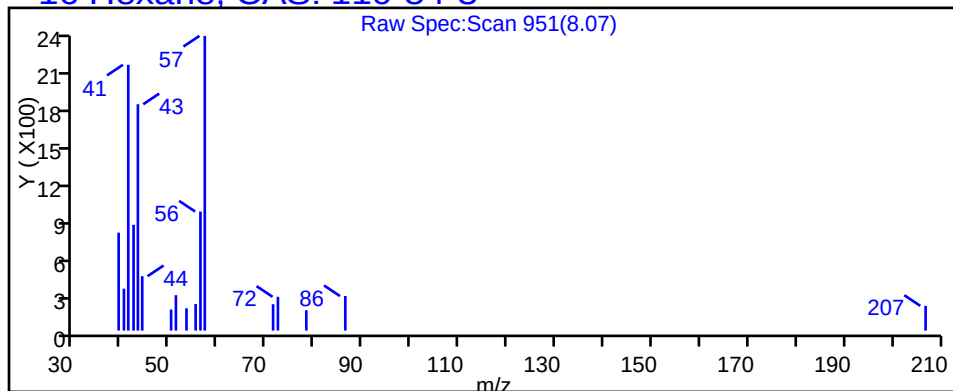
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Hexane, CAS: 110-54-3

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

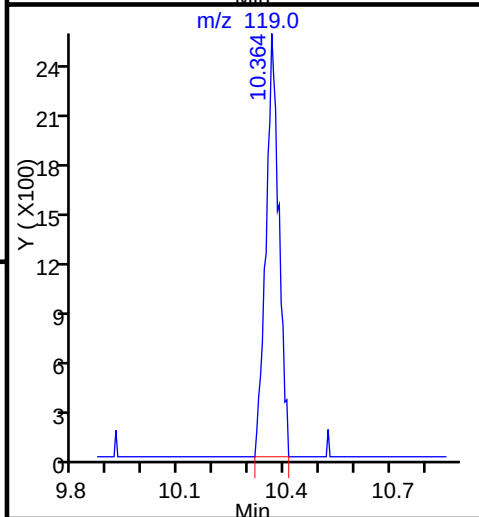
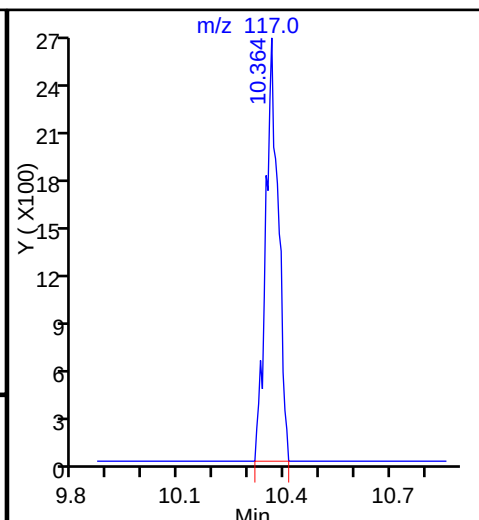
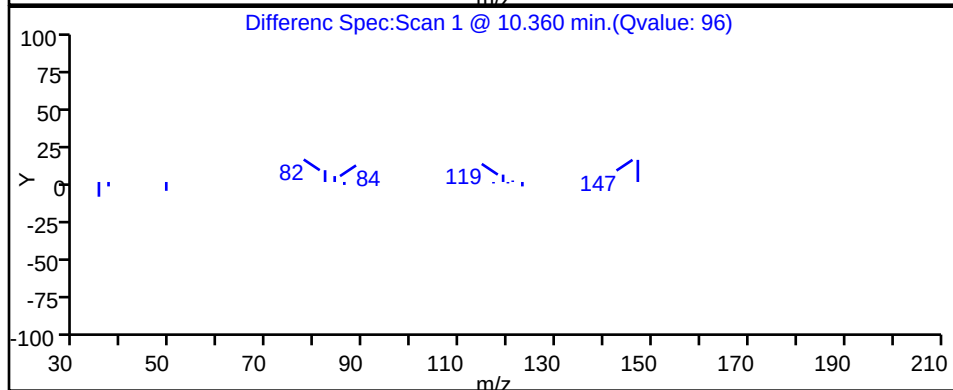
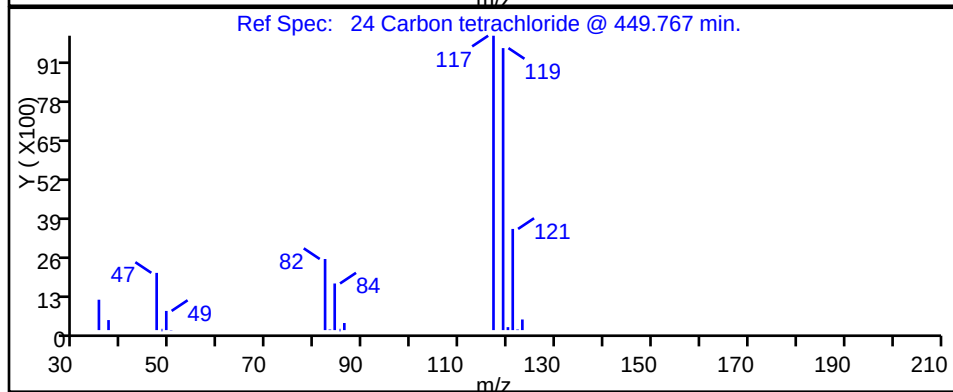
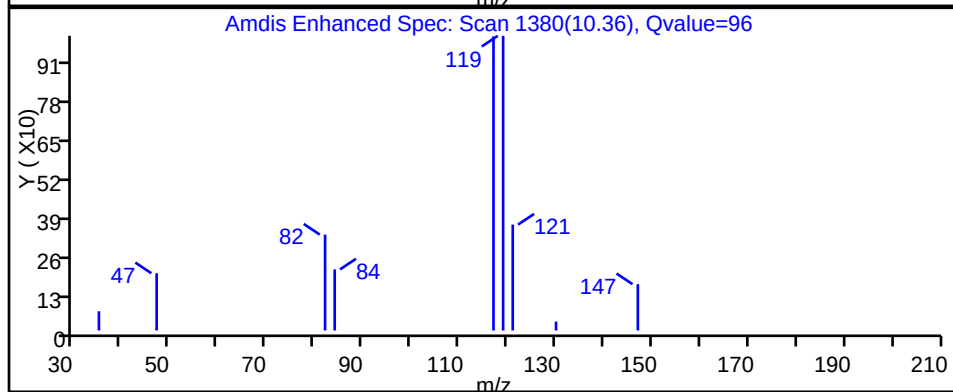
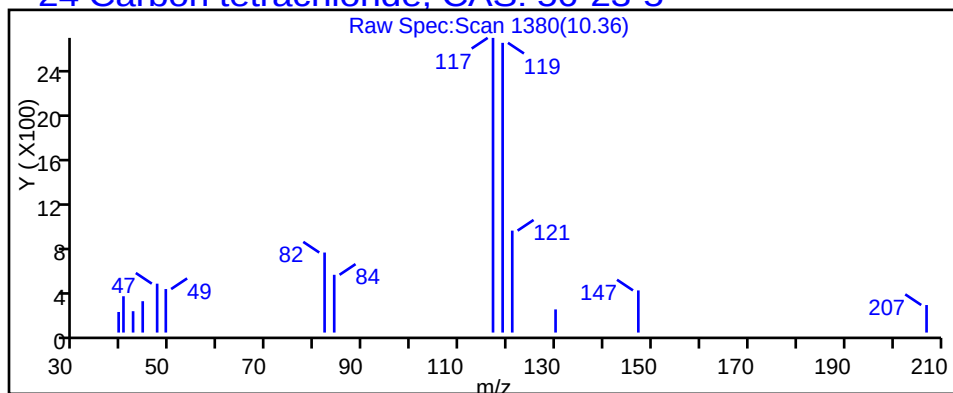
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

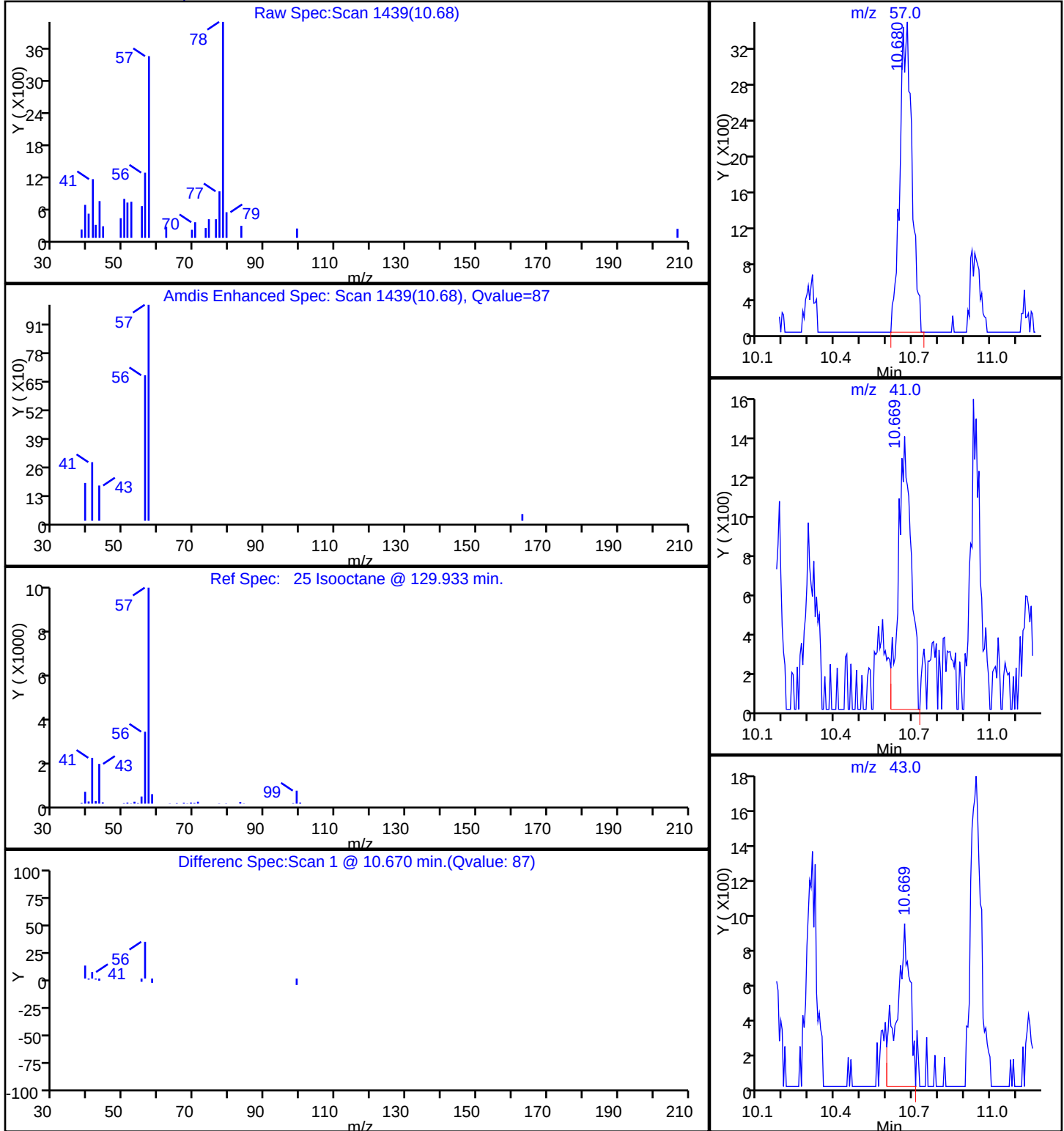
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Carbon tetrachloride, CAS: 56-23-5

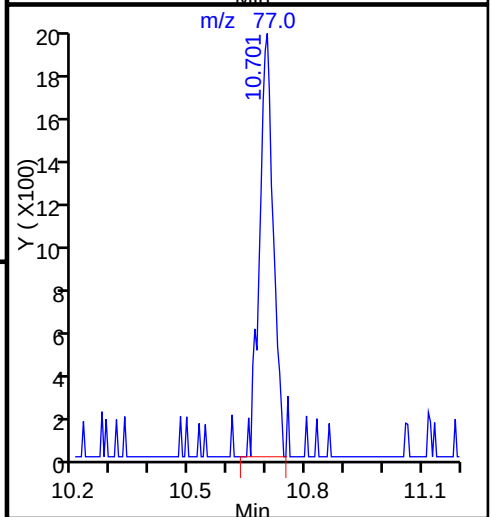
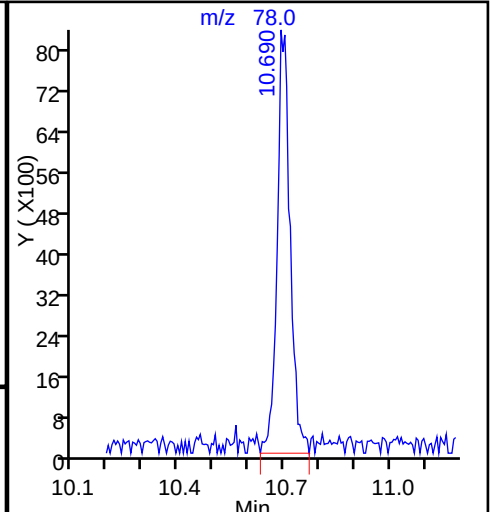
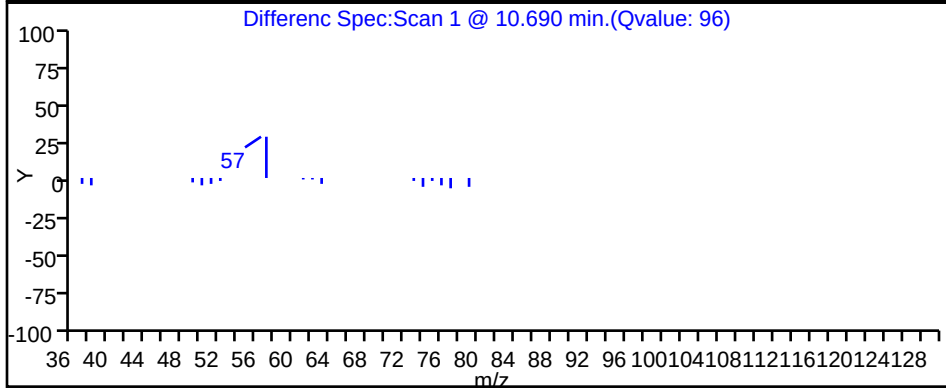
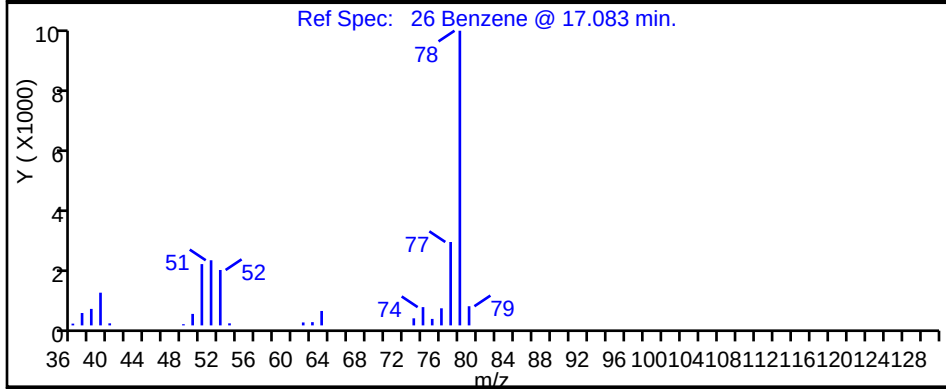
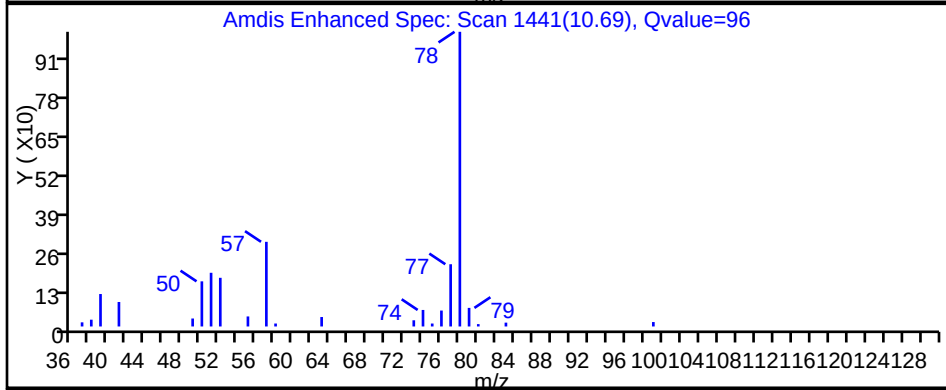
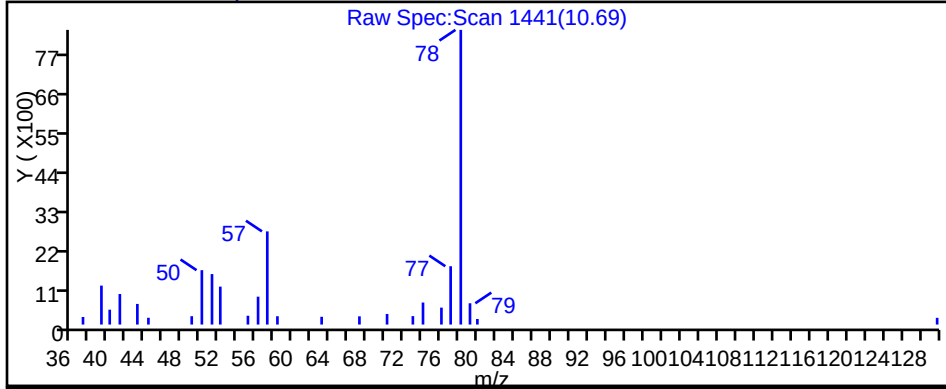
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D
Injection Date: 13-Jan-2016 09:03:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-1 Lab Sample ID: 200-31275-1
Client ID: 2-AA-121715
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 Isooctane, CAS: 540-84-1

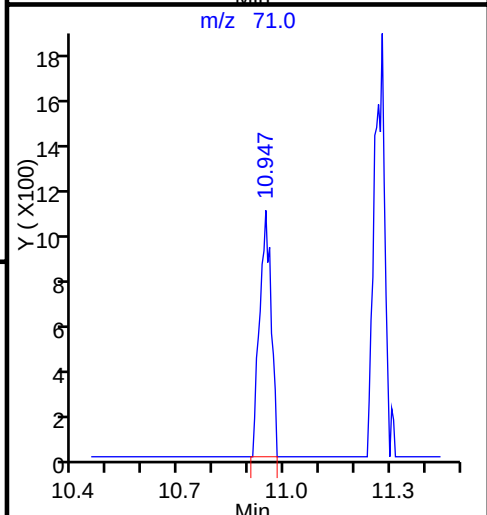
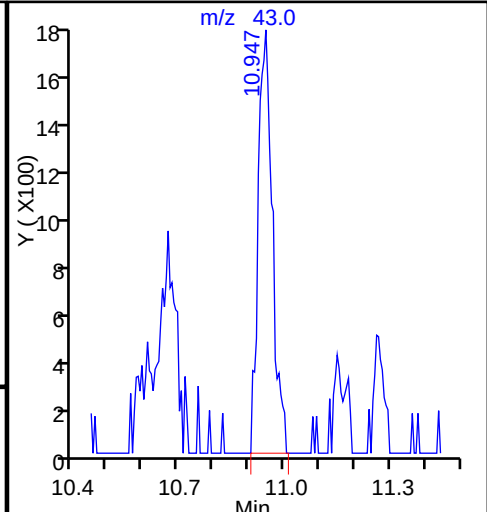
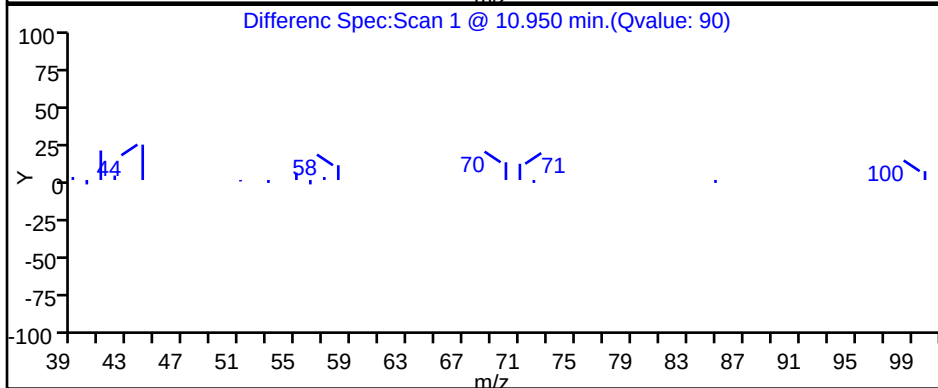
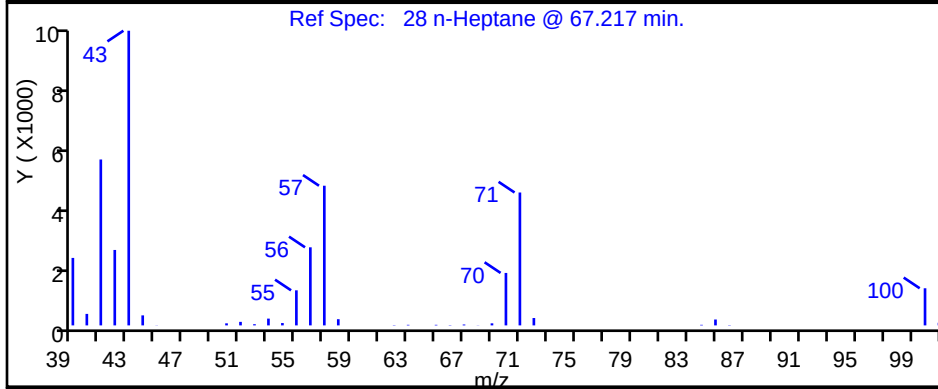
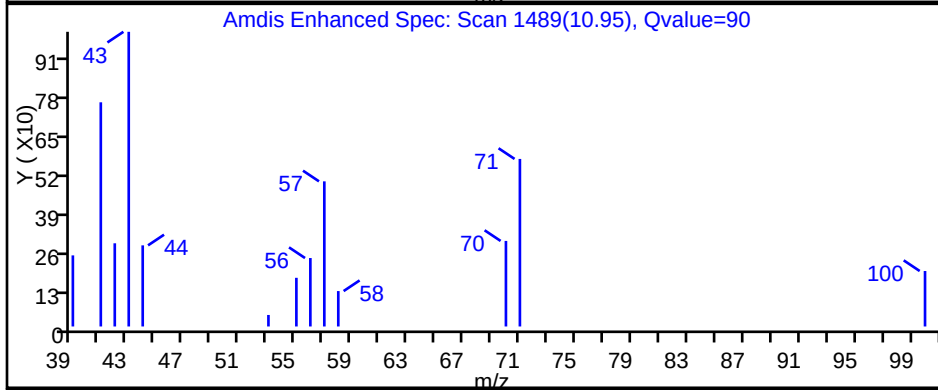
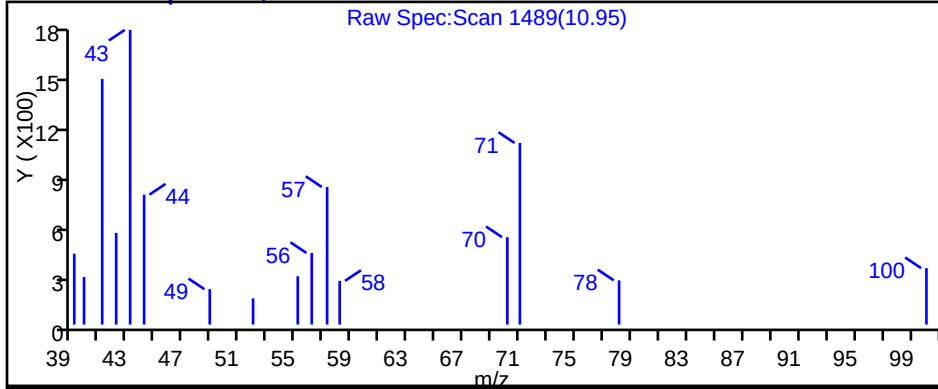
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D
Injection Date: 13-Jan-2016 09:03:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-1 Lab Sample ID: 200-31275-1
Client ID: 2-AA-121715
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

26 Benzene, CAS: 71-43-2

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D
Injection Date: 13-Jan-2016 09:03:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-1 Lab Sample ID: 200-31275-1
Client ID: 2-AA-121715
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

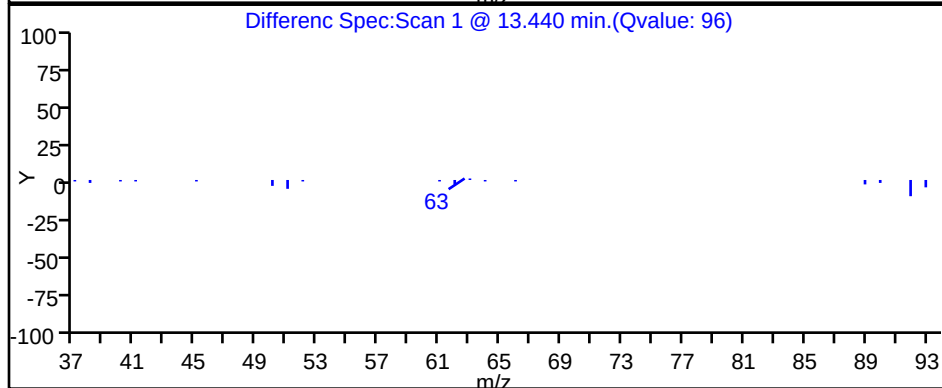
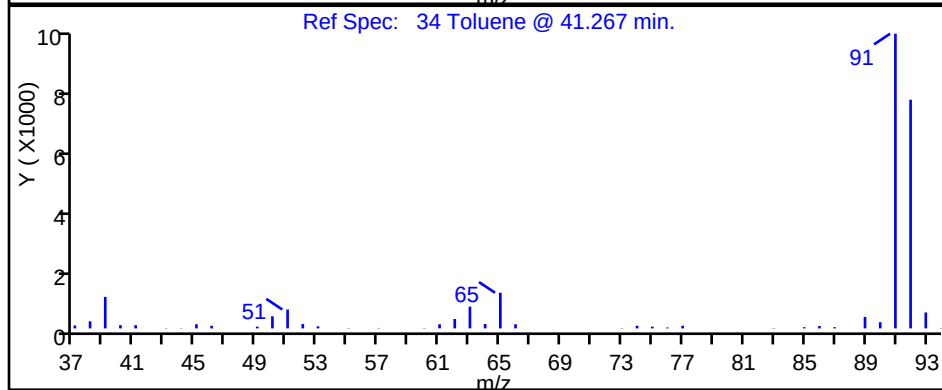
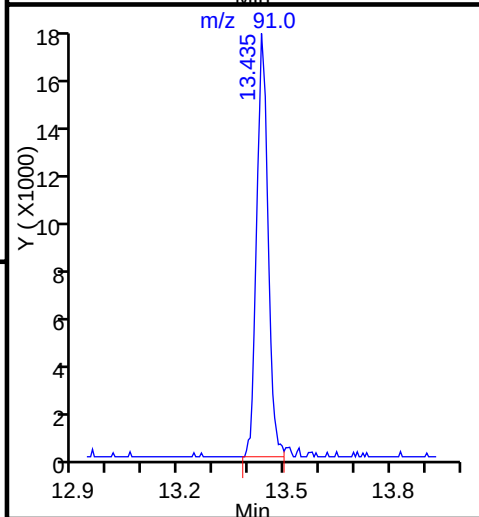
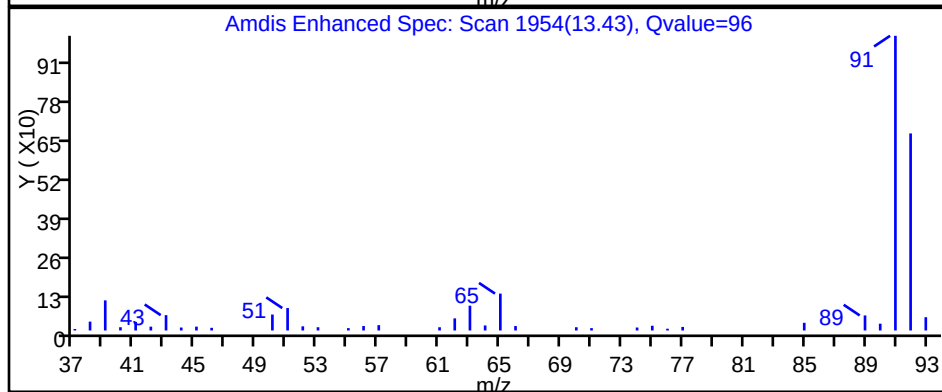
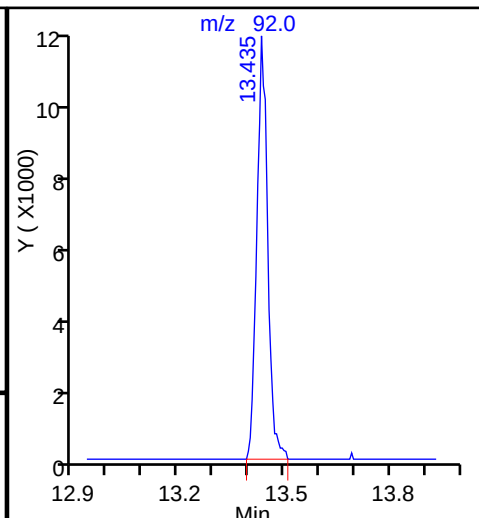
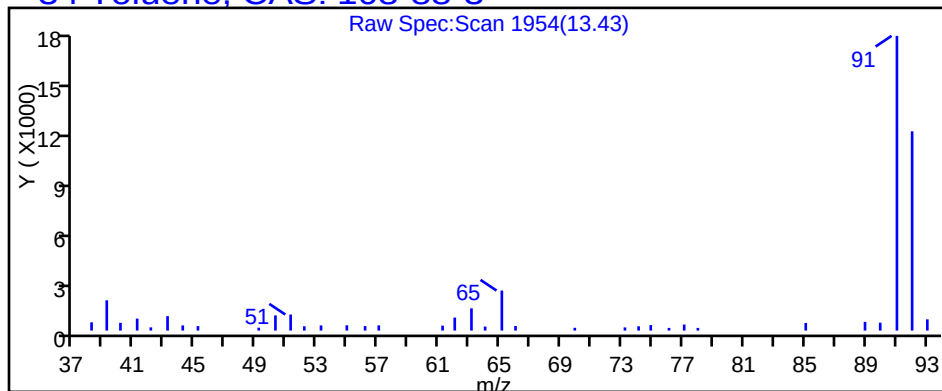
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 Toluene, CAS: 108-88-3

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

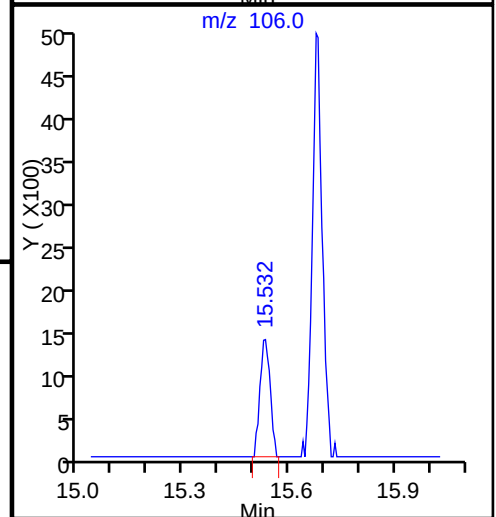
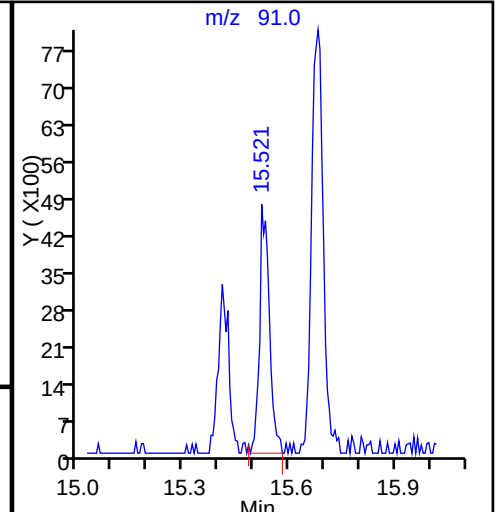
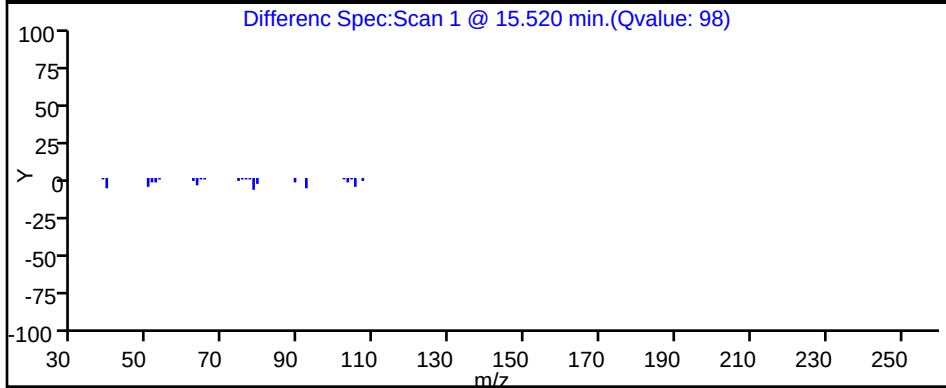
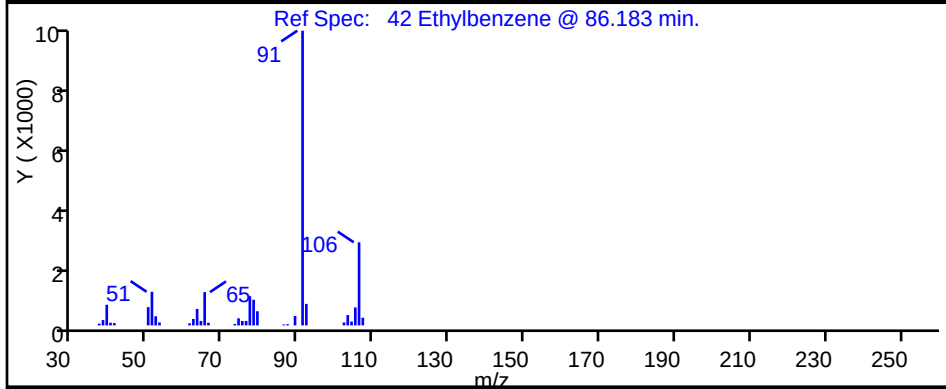
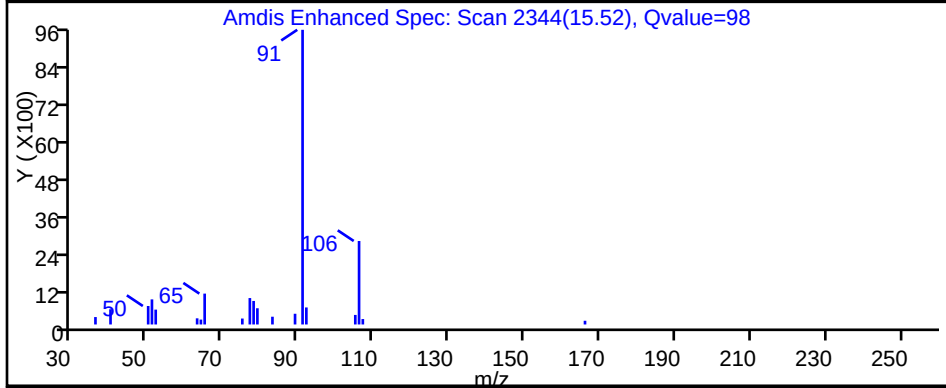
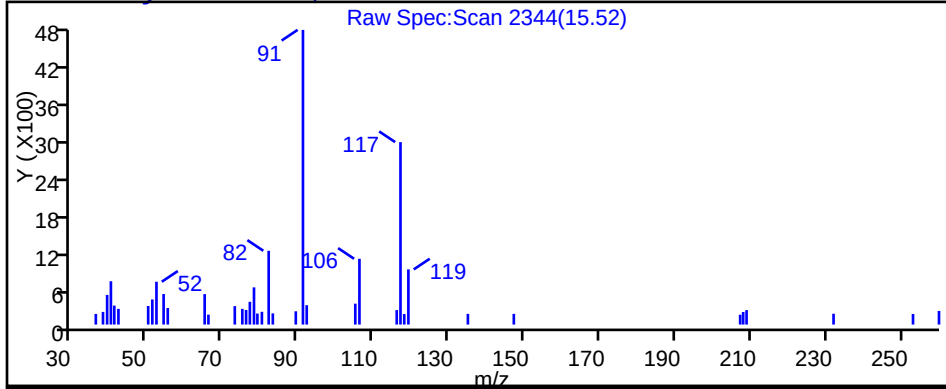
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Ethylbenzene, CAS: 100-41-4

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 4.0000

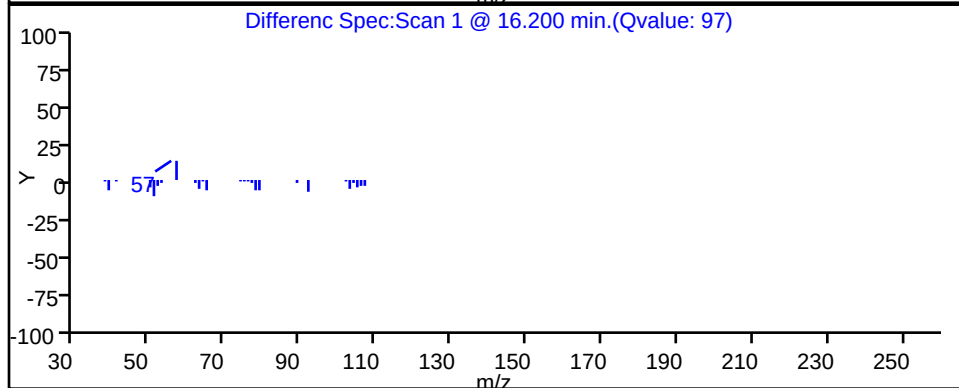
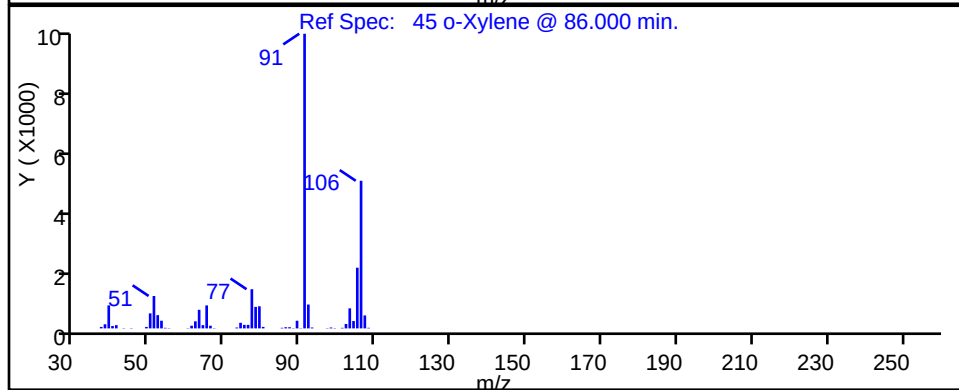
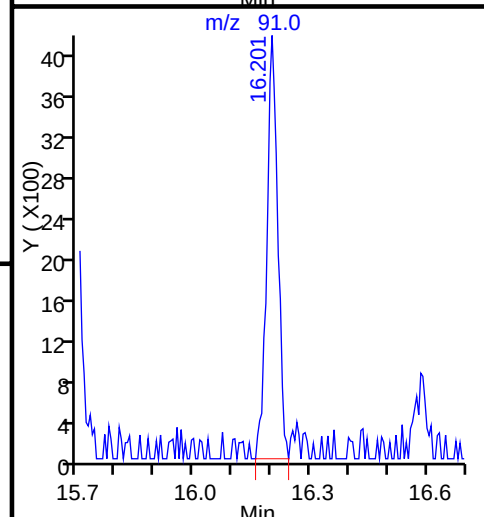
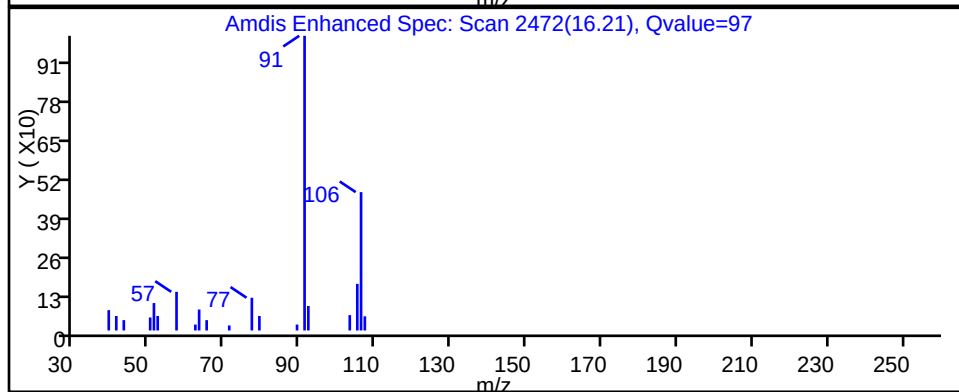
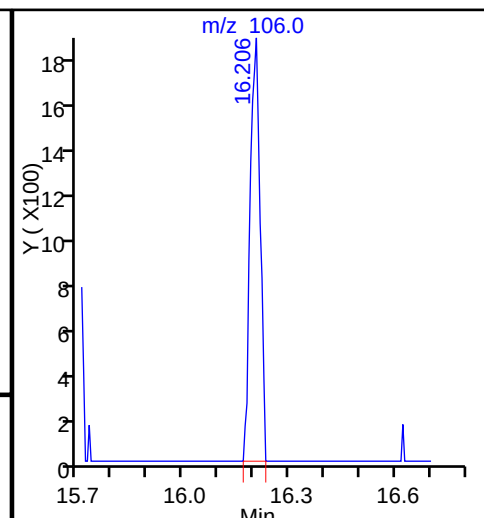
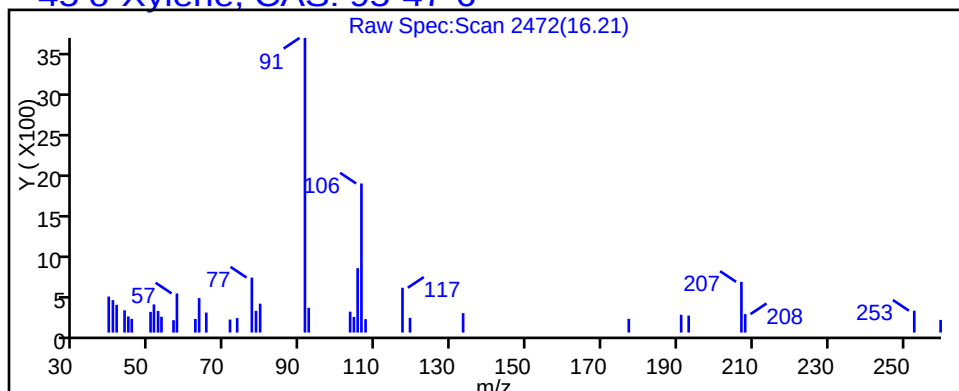
Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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



TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_005.D

Injection Date: 13-Jan-2016 09:03:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-1

Lab Sample ID: 200-31275-1

Client ID: 2-AA-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 5

Purge Vol: 500.000 mL

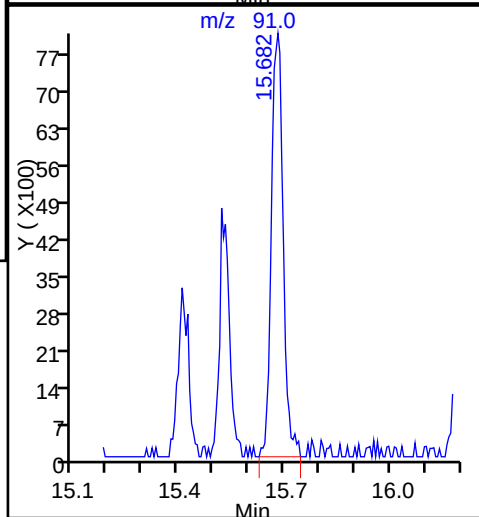
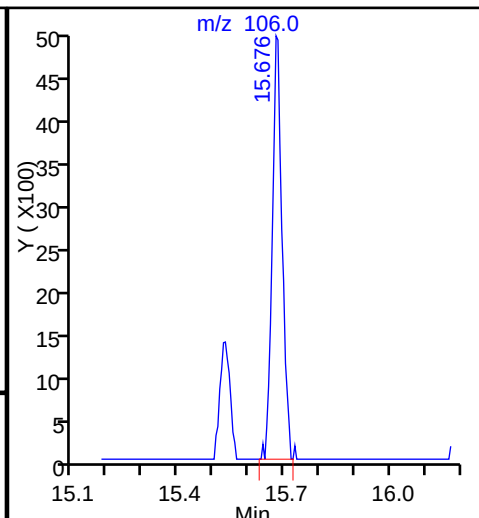
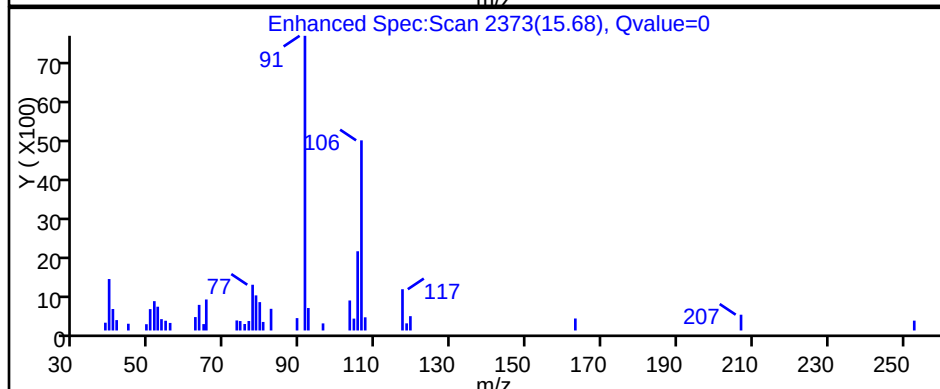
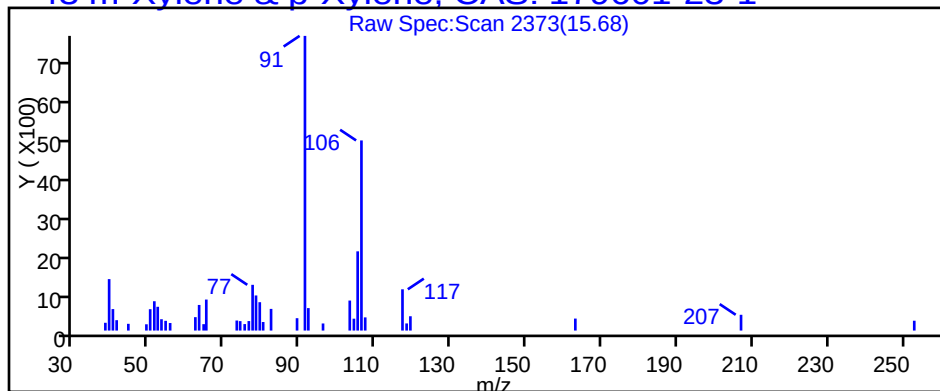
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 m-Xylene & p-Xylene, CAS: 179601-23-1

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: <u>2-IA-121715</u>	Lab Sample ID: <u>200-31275-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>17734_006.D</u>
Analysis Method: <u>TO15 LL</u>	Date Collected: <u>12/17/2015 14:44</u>
Sample wt/vol: <u>125(mL)</u>	Date Analyzed: <u>01/13/2016 10:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>99436</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.42		0.040	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.040	U	0.040	
75-01-4	Vinyl chloride	62.50	0.080	U	0.080	
106-99-0	1,3-Butadiene	54.09	0.080	U	0.080	
74-83-9	Bromomethane	94.94	0.080	U	0.080	
75-00-3	Chloroethane	64.52	0.080	U	0.080	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.080	U	0.080	
75-69-4	Trichlorofluoromethane	137.37	0.17		0.040	
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	
107-05-1	3-Chloropropene	76.53	0.080	U	0.080	
75-09-2	Methylene Chloride	84.93	0.43		0.40	
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.040	
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	
110-54-3	n-Hexane	86.17	0.12		0.080	
75-34-3	1,1-Dichloroethane	98.96	0.040	U	0.040	
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	
67-66-3	Chloroform	119.38	0.040	U	0.040	
71-55-6	1,1,1-Trichloroethane	133.41	0.040	U	0.040	
110-82-7	Cyclohexane	84.16	0.043		0.040	
56-23-5	Carbon tetrachloride	153.81	0.061		0.040	
540-84-1	2,2,4-Trimethylpentane	114.23	0.042		0.040	
71-43-2	Benzene	78.11	0.17		0.040	
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.080	
142-82-5	n-Heptane	100.21	0.18		0.040	
79-01-6	Trichloroethene	131.39	0.040	U	0.040	
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.080	
75-27-4	Bromodichloromethane	163.83	0.040	U	0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.040	
108-88-3	Toluene	92.14	0.28		0.040	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.040	
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.040	
127-18-4	Tetrachloroethene	165.83	0.040	U	0.040	
124-48-1	Dibromochloromethane	208.29	0.040	U	0.040	
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.040	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: 2-IA-121715 Lab Sample ID: 200-31275-3
Matrix: Air Lab File ID: 17734_006.D
Analysis Method: TO15 LL Date Collected: 12/17/2015 14:44
Sample wt/vol: 125 (mL) Date Analyzed: 01/13/2016 10:01
Soil Aliquot Vol: _____ Dilution Factor: 4
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 99436 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.059		0.040	
95-47-6	o-Xylene	106.17	0.059		0.040	
75-25-2	Bromoform	252.75	0.040	U	0.040	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.040	
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.040	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.080	U	0.080	
540-59-0	1,2-Dichloroethene, Total	96.94	0.040	U	0.040	
179601-23-1	m-Xylene & p-Xylene	106.17	0.14		0.080	
1330-20-7	Xylenes, Total	106.17	0.20		0.040	

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: <u>2-IA-121715</u>	Lab Sample ID: <u>200-31275-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>17734_006.D</u>
Analysis Method: <u>TO15 LL</u>	Date Collected: <u>12/17/2015 14:44</u>
Sample wt/vol: <u>125(mL)</u>	Date Analyzed: <u>01/13/2016 10:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>99436</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.1		0.20	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.28	U	0.28	
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	
106-99-0	1,3-Butadiene	54.09	0.18	U	0.18	
74-83-9	Bromomethane	94.94	0.31	U	0.31	
75-00-3	Chloroethane	64.52	0.21	U	0.21	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.35	U	0.35	
75-69-4	Trichlorofluoromethane	137.37	0.93		0.22	
75-35-4	1,1-Dichloroethene	96.94	0.16	U	0.16	
107-05-1	3-Chloropropene	76.53	0.25	U	0.25	
75-09-2	Methylene Chloride	84.93	1.5		1.4	
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.14	
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.16	
110-54-3	n-Hexane	86.17	0.44		0.28	
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.16	
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	U	0.16	
67-66-3	Chloroform	119.38	0.20	U	0.20	
71-55-6	1,1,1-Trichloroethane	133.41	0.22	U	0.22	
110-82-7	Cyclohexane	84.16	0.15		0.14	
56-23-5	Carbon tetrachloride	153.81	0.38		0.25	
540-84-1	2,2,4-Trimethylpentane	114.23	0.19		0.19	
71-43-2	Benzene	78.11	0.55		0.13	
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.32	
142-82-5	n-Heptane	100.21	0.73		0.16	
79-01-6	Trichloroethene	131.39	0.21	U	0.21	
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.37	
75-27-4	Bromodichloromethane	163.83	0.27	U	0.27	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.18	
108-88-3	Toluene	92.14	1.0		0.15	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.18	
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	0.22	
127-18-4	Tetrachloroethene	165.83	0.27	U	0.27	
124-48-1	Dibromochloromethane	208.29	0.34	U	0.34	
106-93-4	1,2-Dibromoethane	187.87	0.31	U	0.31	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: 2-IA-121715 Lab Sample ID: 200-31275-3
Matrix: Air Lab File ID: 17734_006.D
Analysis Method: TO15 LL Date Collected: 12/17/2015 14:44
Sample wt/vol: 125 (mL) Date Analyzed: 01/13/2016 10:01
Soil Aliquot Vol: _____ Dilution Factor: 4
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 99436 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.26		0.17	
95-47-6	o-Xylene	106.17	0.25		0.17	
75-25-2	Bromoform	252.75	0.41	U	0.41	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	0.27	
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.39	U	0.39	
540-59-0	1,2-Dichloroethene, Total	96.94	0.16	U	0.16	
179601-23-1	m-Xylene & p-Xylene	106.17	0.59		0.35	
1330-20-7	Xylenes, Total	106.17	0.85		0.17	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D
 Lims ID: 200-31275-A-3 Lab Sample ID: 200-31275-3
 Client ID: 2-IA-121715
 Sample Type: Client
 Inject. Date: 13-Jan-2016 10:01:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 500.000 mL Dil. Factor: 4.0000
 Sample Info: 200-0017734-006
 Misc. Info.: 31275-3
 Operator ID: wrd Instrument ID: CHE.i
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 14-Jan-2016 12:15:01 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 15:08:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.142	3.147	-0.005	99	50281	0.1054	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.361	3.377	-0.016	34	1182	0.003230	
4 Vinyl chloride	62		3.704				ND	
5 Butadiene	54		3.773				ND	
6 Bromomethane	94		4.362				ND	
7 Chloroethane	64		4.560				ND	
8 Vinyl bromide	106		4.923				ND	
9 Trichlorofluoromethane	101	5.014	5.025	-0.011	98	21847	0.0414	
11 1,1-Dichloroethene	96		6.186				ND	
12 3-Chloro-1-propene	41		6.972				ND	
13 Methylene Chloride	49	7.261	7.261	0.000	92	16440	0.1086	
14 Methyl tert-butyl ether	73		7.668				ND	
15 trans-1,2-Dichloroethene	61		7.700				ND	
16 Hexane	57	8.064	8.069	-0.005	67	5728	0.0311	
17 1,1-Dichloroethane	63		8.486				ND	
S 18 1,2-Dichloroethene, Total	61		9.200				ND	
19 cis-1,2-Dichloroethene	96		9.444				ND	
* 20 Chlorobromomethane	128	9.813	9.818	-0.005	83	582379	2.00	
21 Chloroform	83	9.909	9.904	0.005	25	1866	0.006138	
22 1,1,1-Trichloroethane	97		10.155				ND	
23 Cyclohexane	84	10.171	10.171	0.000	84	2032	0.0107	
24 Carbon tetrachloride	117	10.364	10.369	-0.005	94	6032	0.0152	
25 Isooctane	57	10.669	10.674	-0.005	74	6158	0.0104	
26 Benzene	78	10.701	10.696	0.005	95	17963	0.0429	
27 1,2-Dichloroethane	62		10.813				ND	
28 n-Heptane	43	10.942	10.947	-0.005	89	10367	0.0444	
* 29 1,4-Difluorobenzene	114	11.273	11.273	0.000	94	2342861	2.00	
30 Trichloroethene	95		11.637				ND	
31 1,2-Dichloropropane	63		12.006				ND	
32 Dichlorobromomethane	83		12.376				ND	
33 cis-1,3-Dichloropropene	75		13.012				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
34 Toluene	92	13.435	13.435	0.000	94	20001	0.0695	
35 trans-1,3-Dichloropropene	75		13.815				ND	
36 1,1,2-Trichloroethane	83		14.077				ND	
37 Tetrachloroethene	166	14.205	14.210	-0.005	94	2212	0.007859	
38 Chlorodibromomethane	129		14.633				ND	
39 Ethylene Dibromide	107		14.831				ND	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2466870	2.00	
42 Ethylbenzene	91	15.526	15.526	0.000	97	9201	0.0147	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	8760	0.0341	
S 44 Xylenes, Total	106				0		0.0488	
45 o-Xylene	106	16.200	16.201	-0.001	75	3609	0.0147	
46 Bromoform	173		16.516				ND	
47 1,1,2,2-Tetrachloroethane	83		17.040				ND	
48 4-Ethyltoluene	105		17.244				ND	
49 1,3,5-Trimethylbenzene	105	17.313	17.308	0.005	67	1923	0.003100	

Reagents:

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Worklist Smp#: 6

Client ID: 2-IA-121715

Purge Vol: 500.000 mL

Dil. Factor: 4.0000

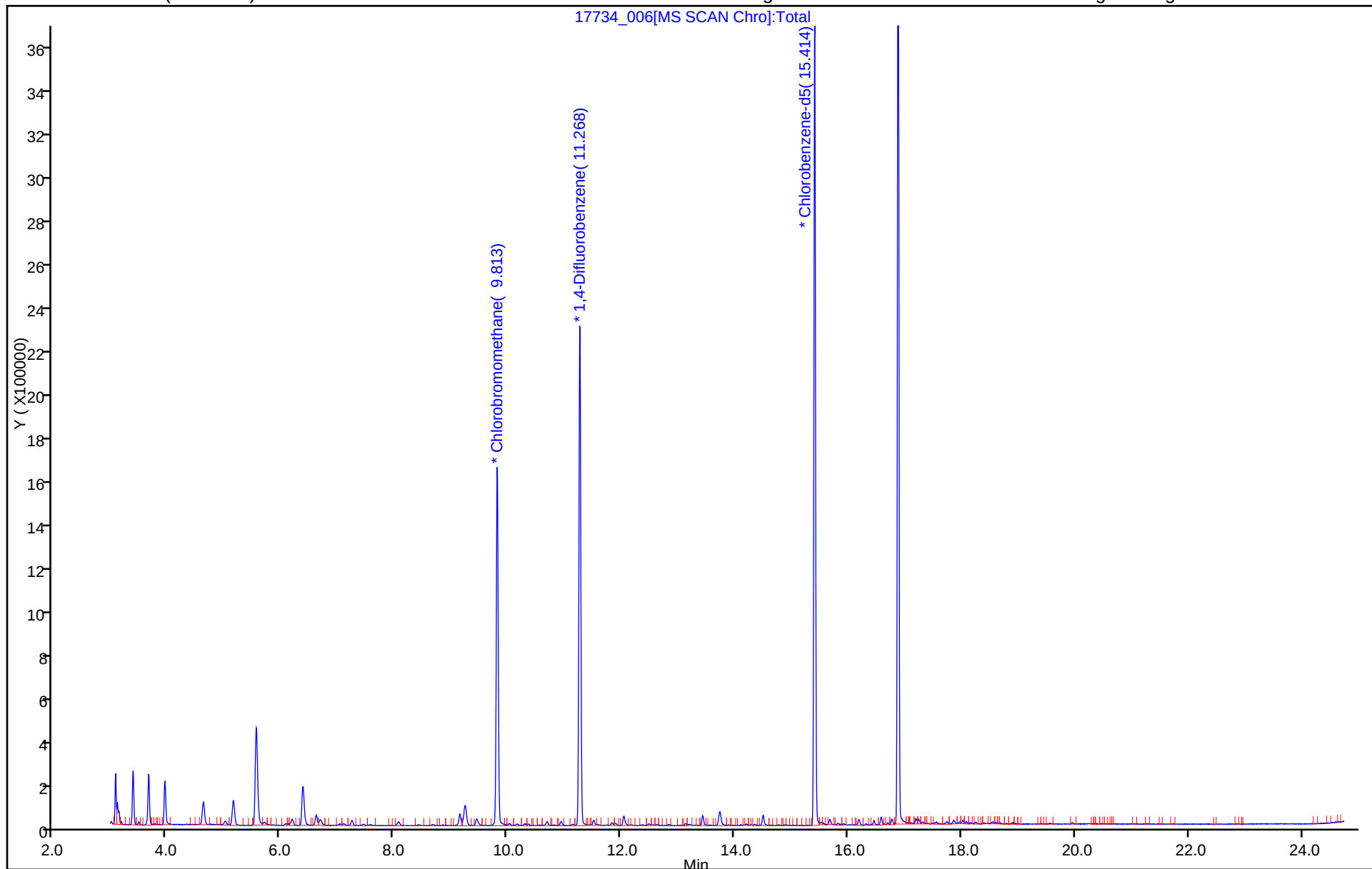
ALS Bottle#: 6

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

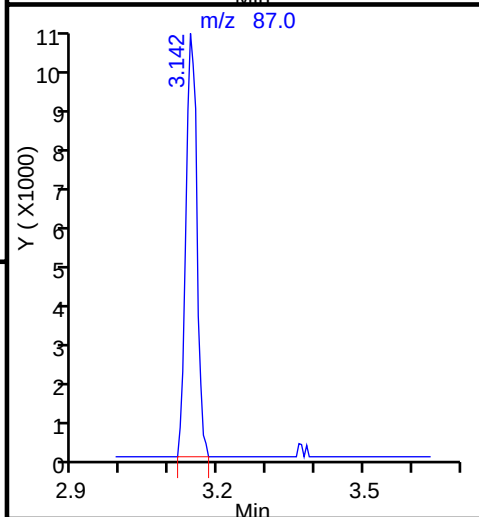
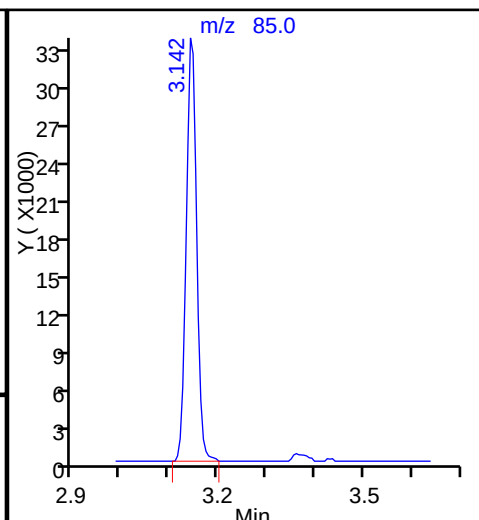
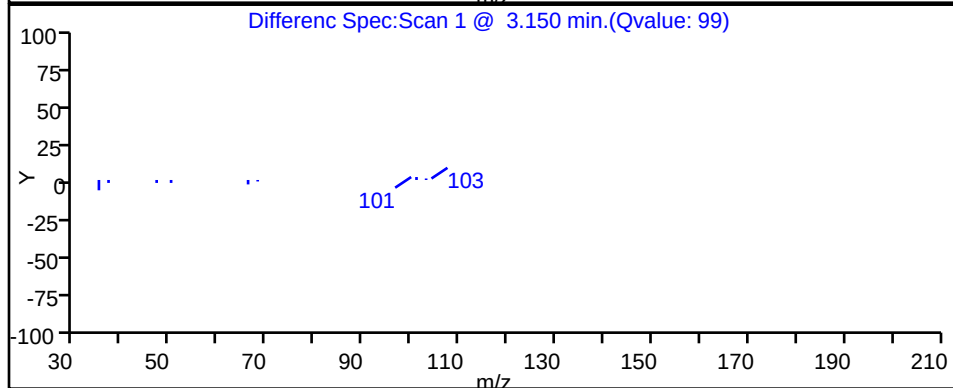
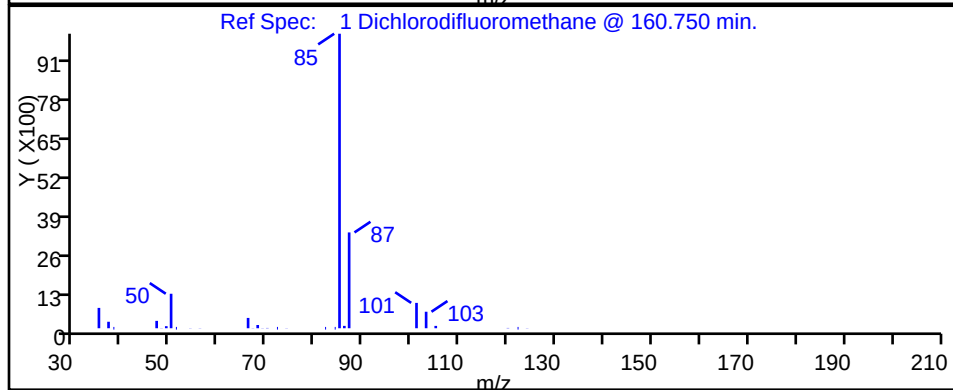
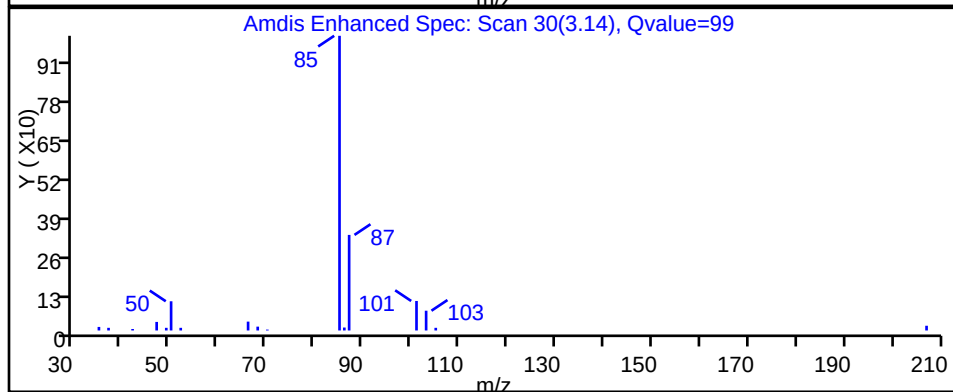
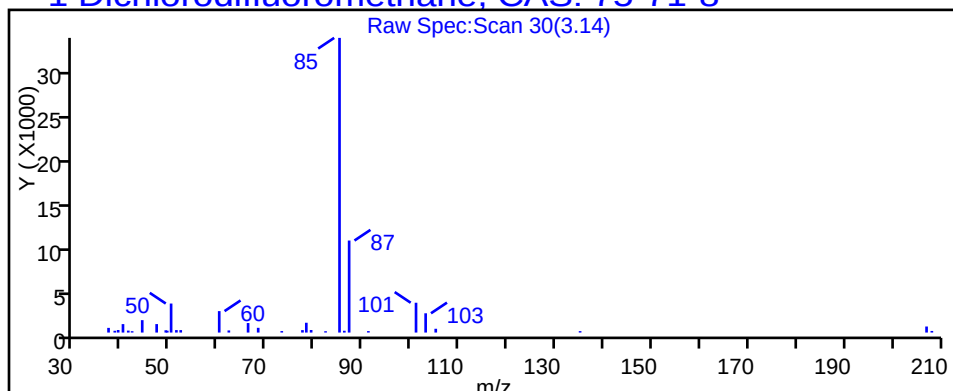
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

1 Dichlorodifluoromethane, CAS: 75-71-8

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

Dil. Factor: 4.0000

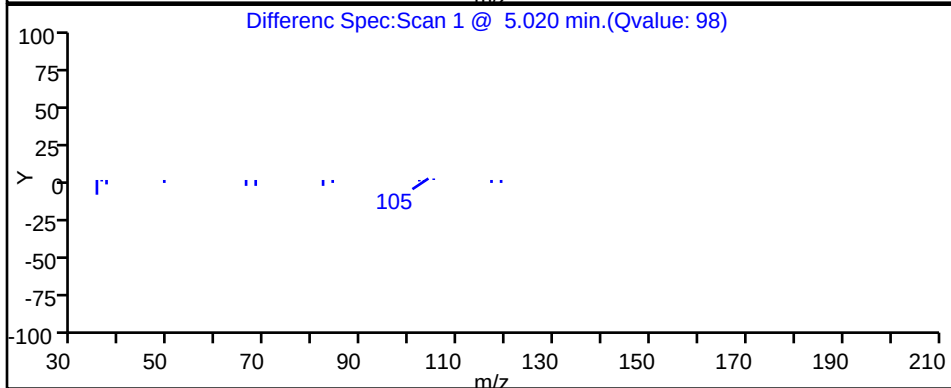
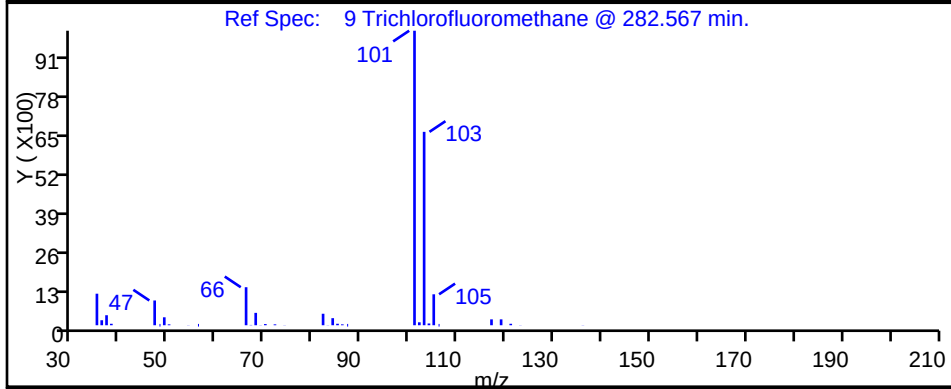
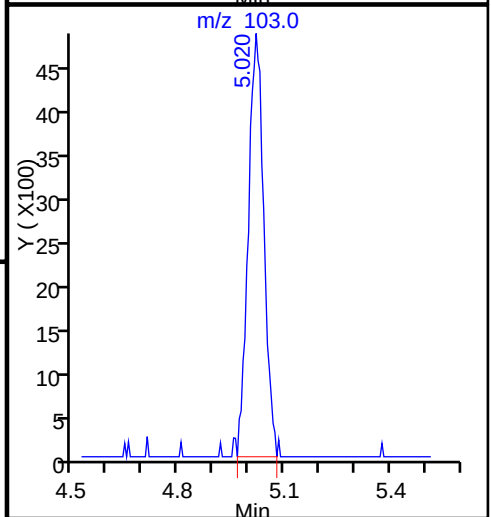
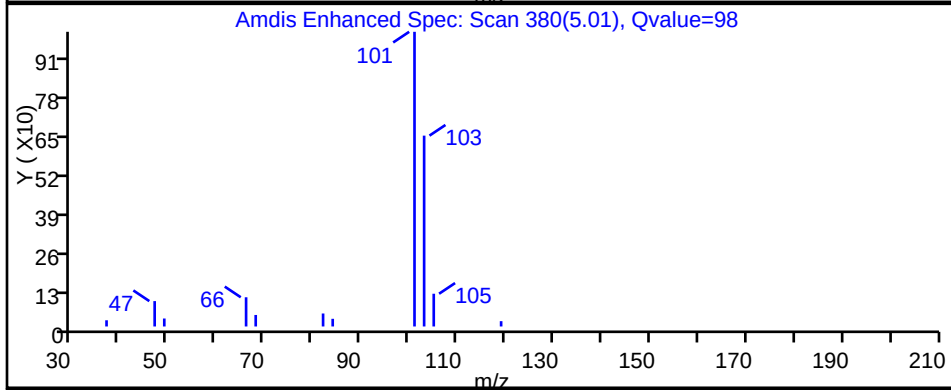
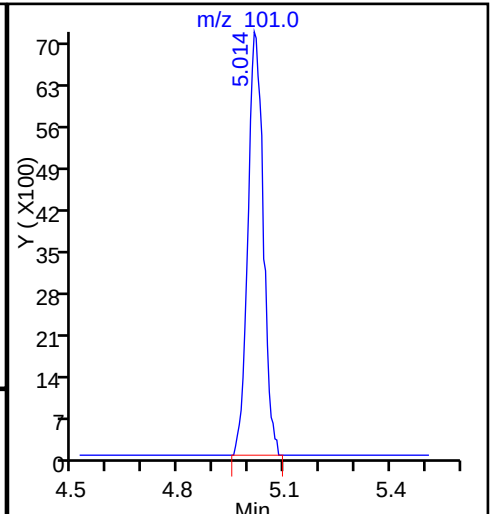
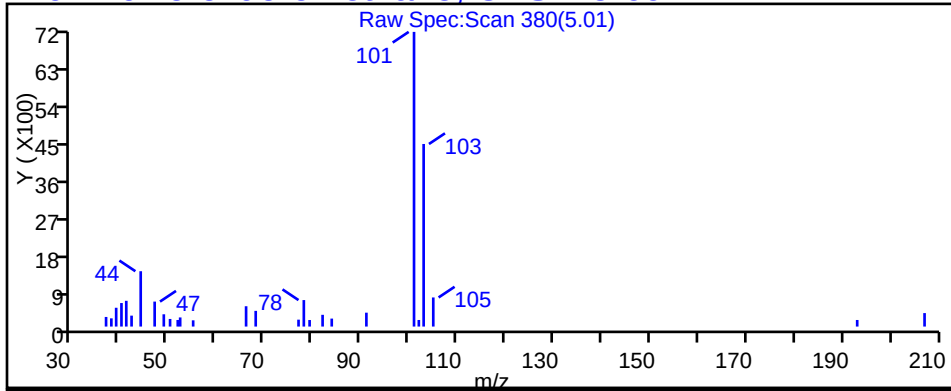
Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

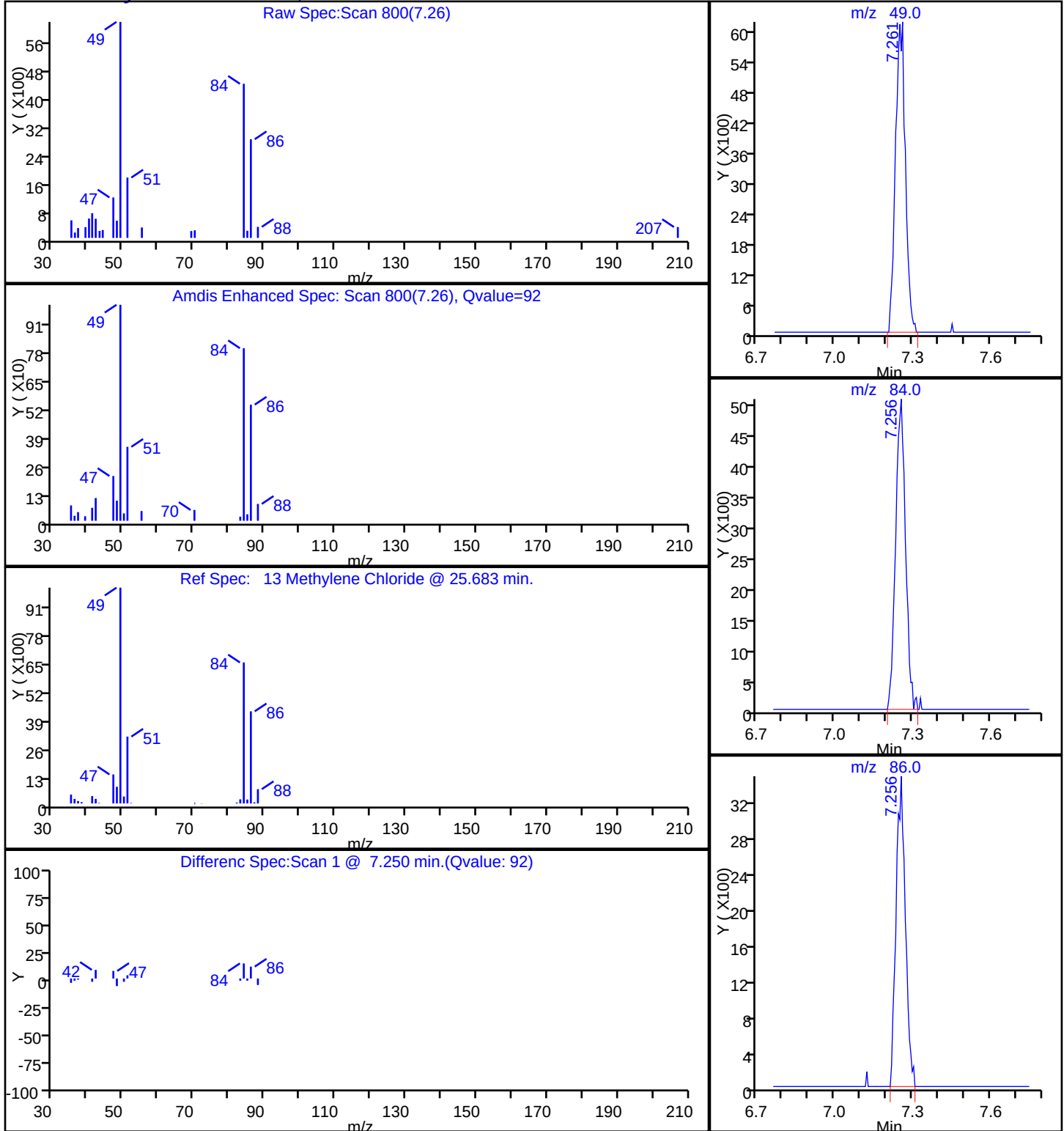
Detector: MS SCAN

9 Trichlorofluoromethane, CAS: 75-69-4



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D
Injection Date: 13-Jan-2016 10:01:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-3 Lab Sample ID: 200-31275-3
Client ID: 2-IA-121715
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

13 Methylene Chloride, CAS: 75-09-2

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

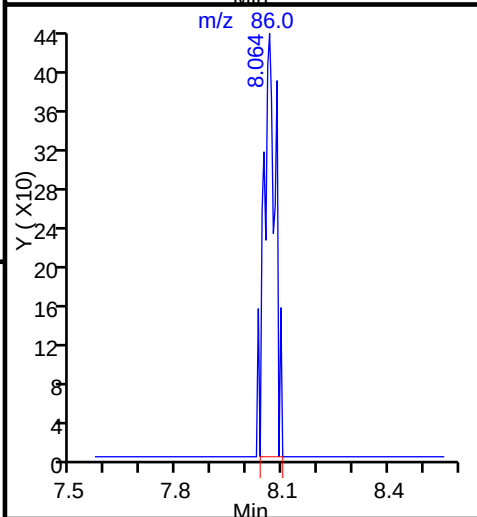
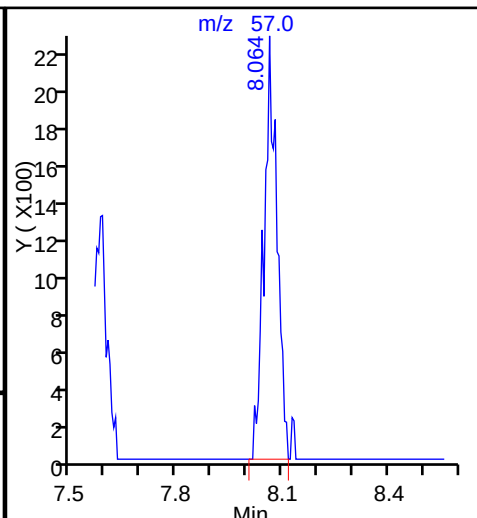
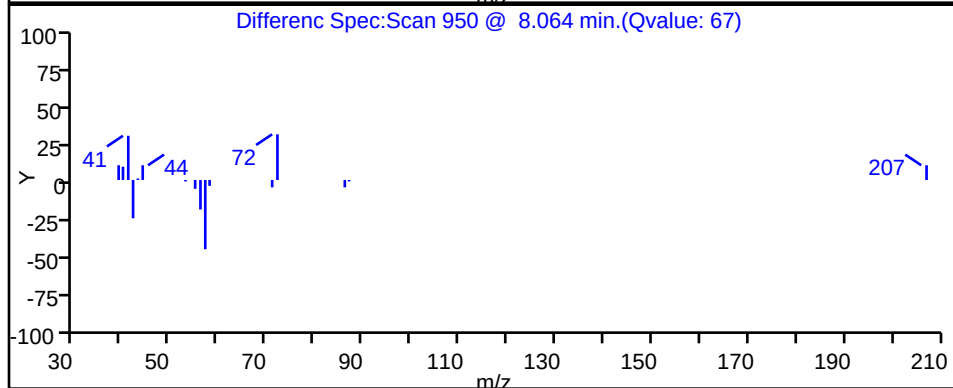
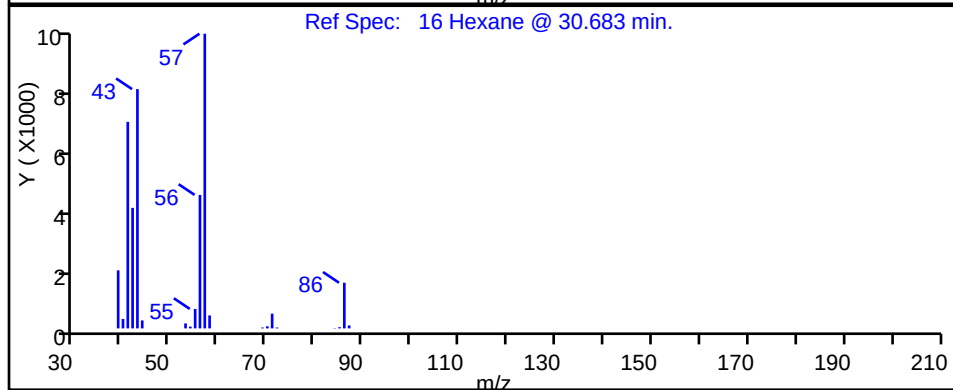
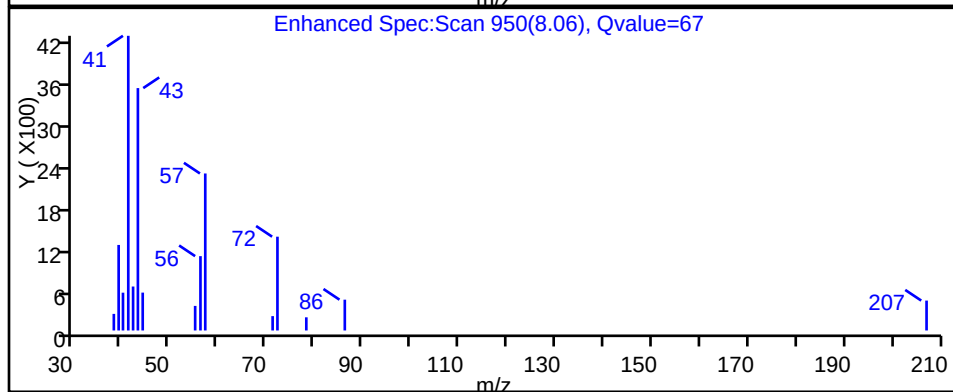
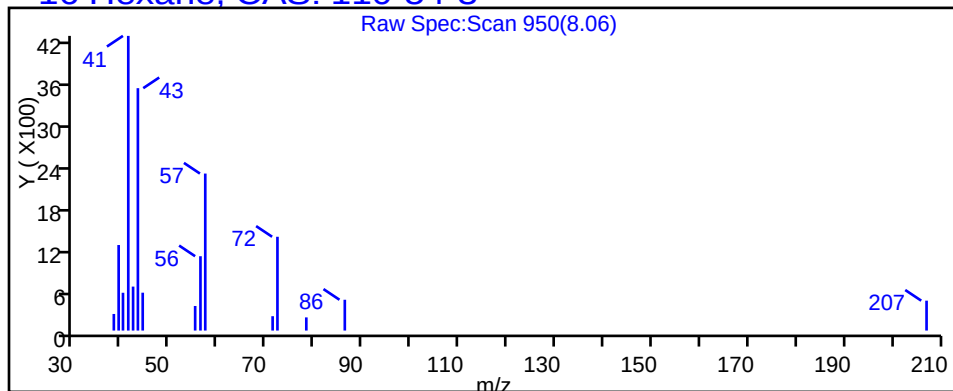
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

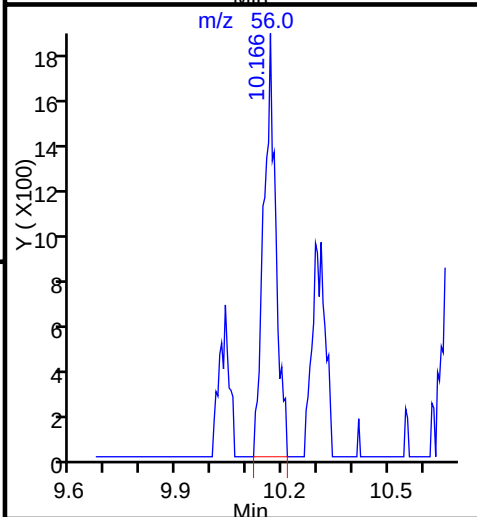
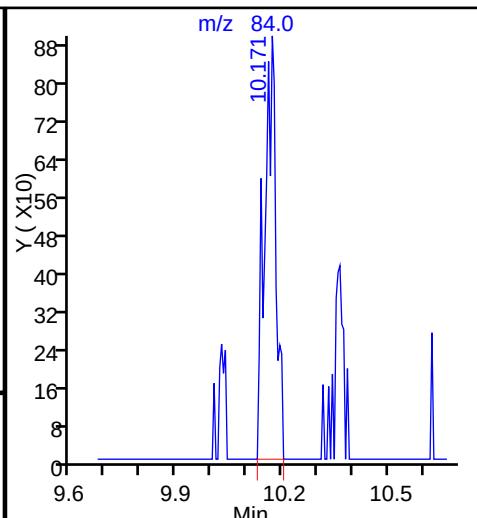
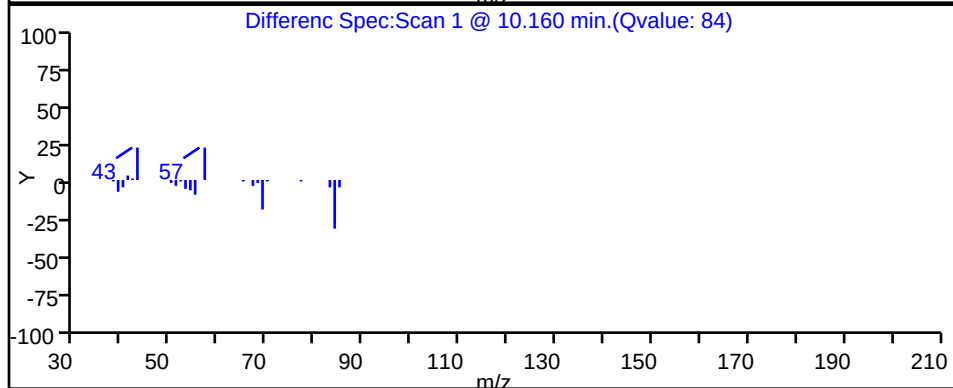
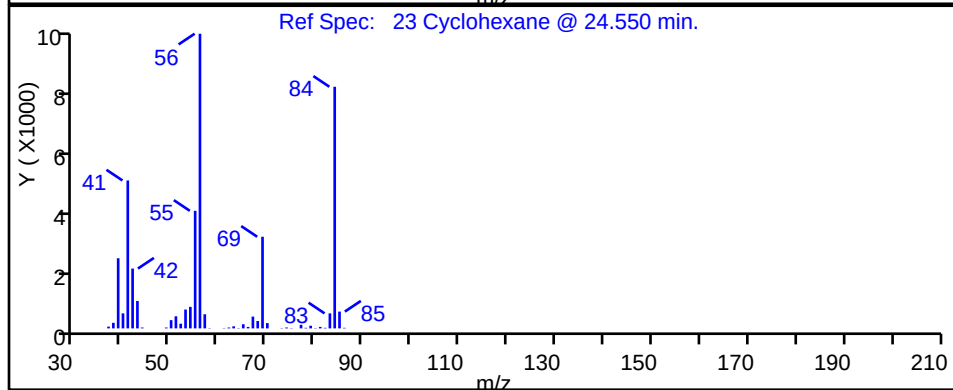
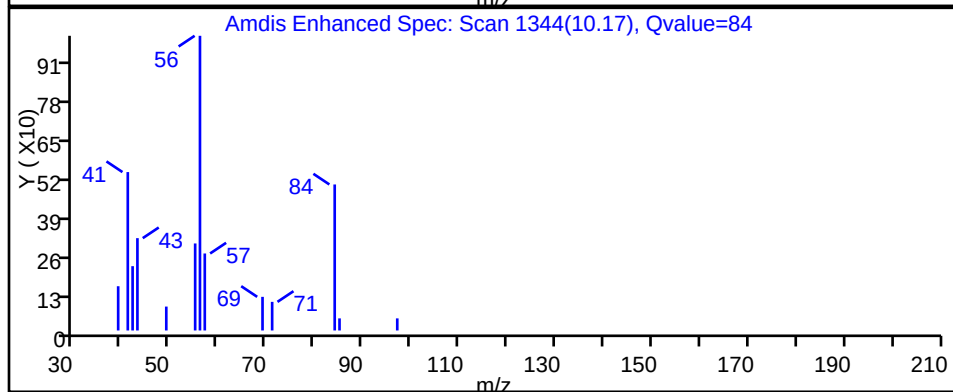
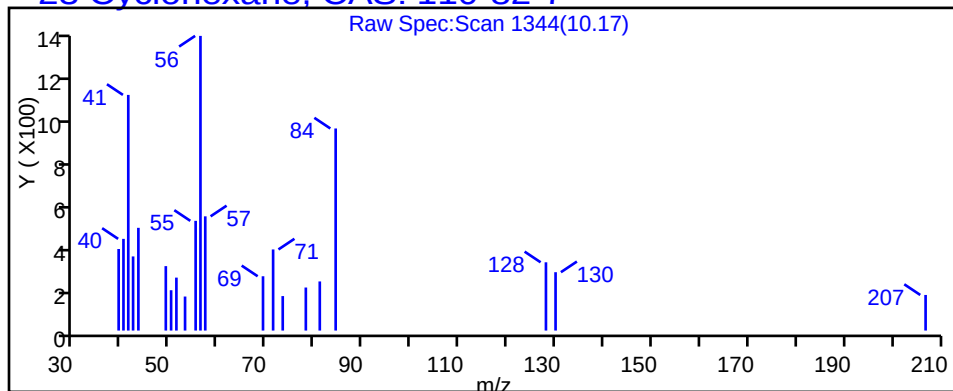
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

16 Hexane, CAS: 110-54-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D
Injection Date: 13-Jan-2016 10:01:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-3 Lab Sample ID: 200-31275-3
Client ID: 2-IA-121715
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

23 Cyclohexane, CAS: 110-82-7

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

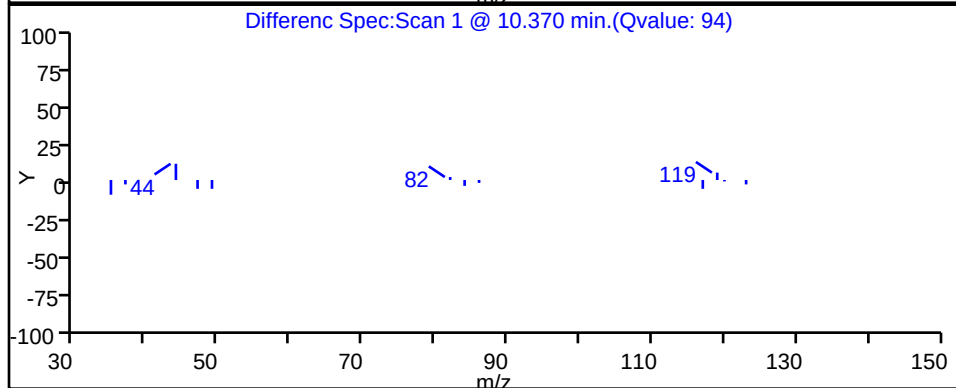
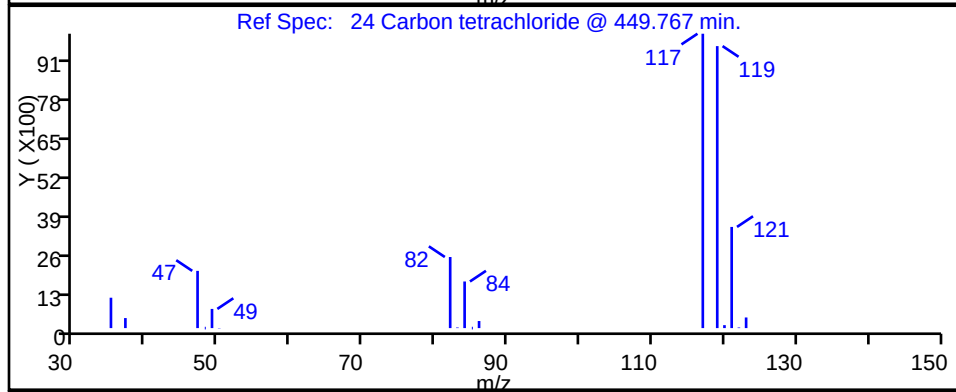
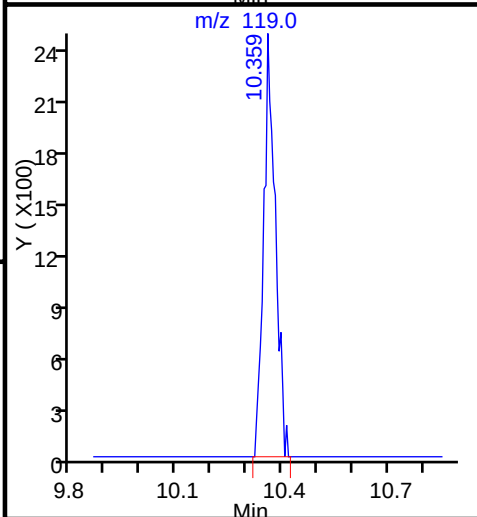
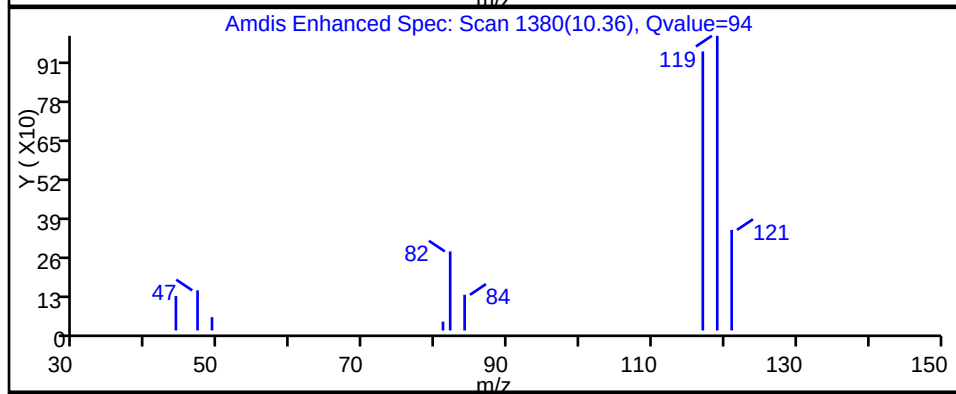
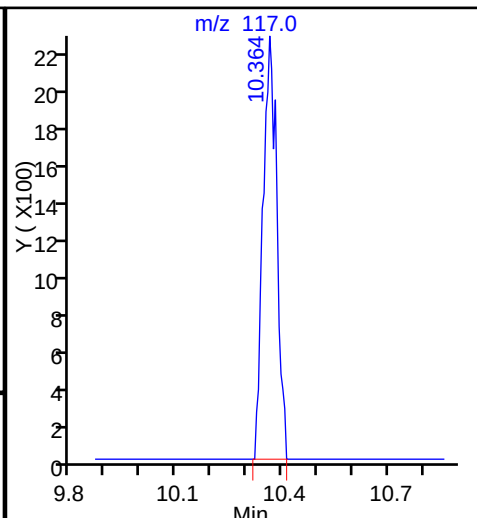
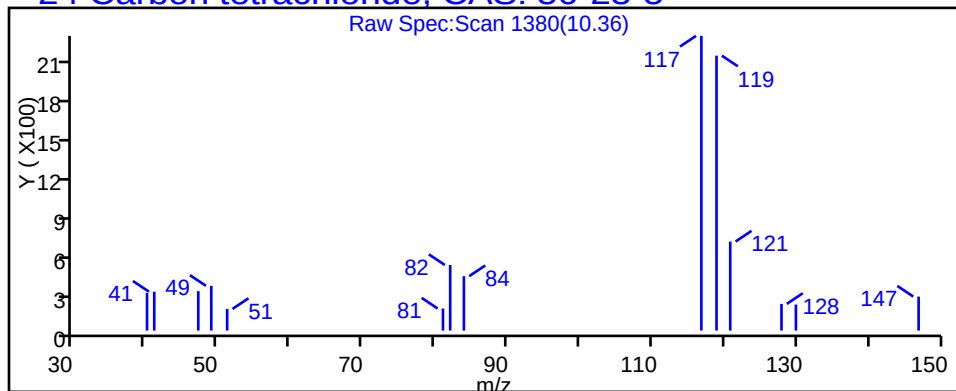
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

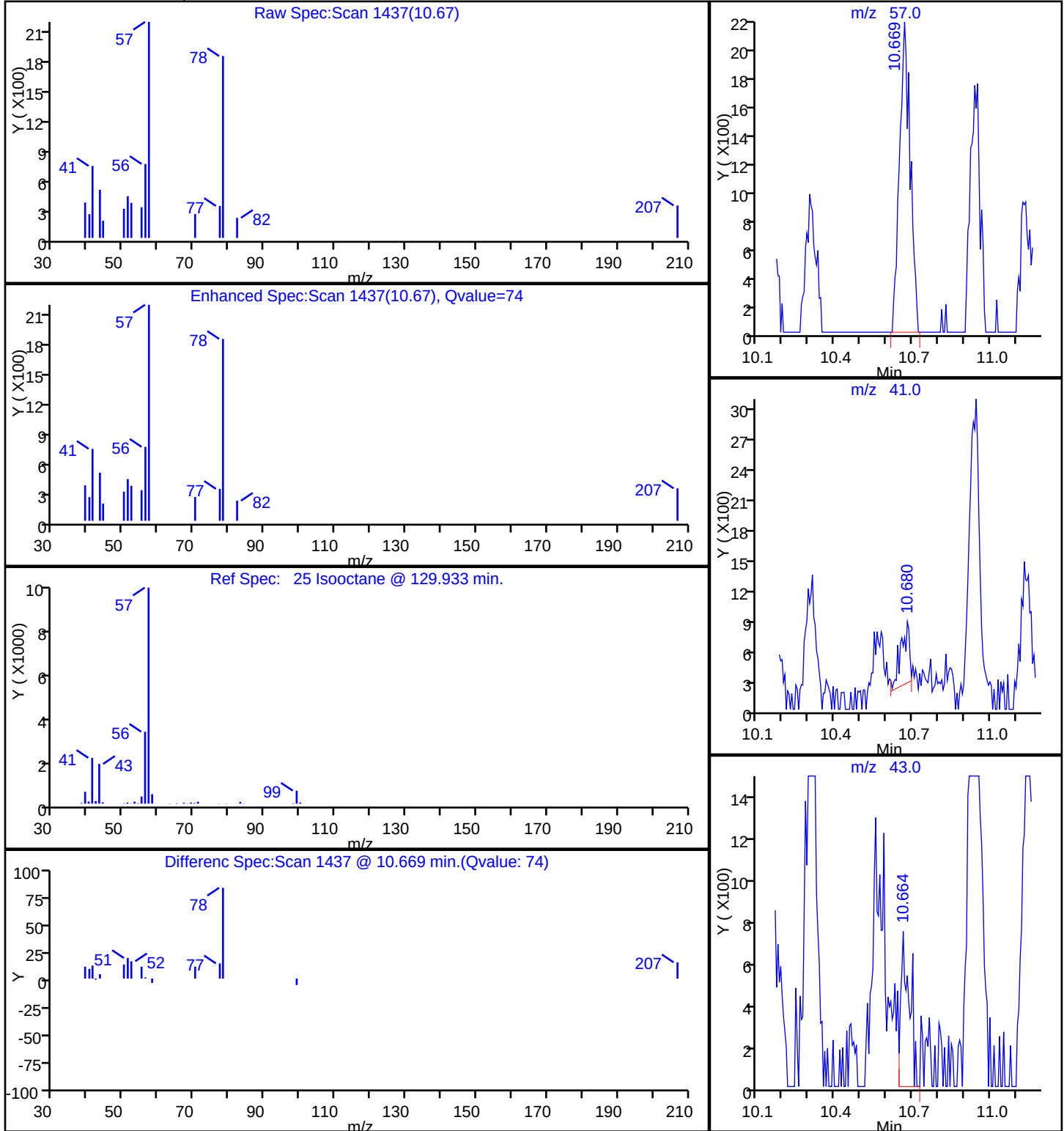
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Carbon tetrachloride, CAS: 56-23-5

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D
Injection Date: 13-Jan-2016 10:01:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-3 Lab Sample ID: 200-31275-3
Client ID: 2-IA-121715
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 Isooctane, CAS: 540-84-1

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

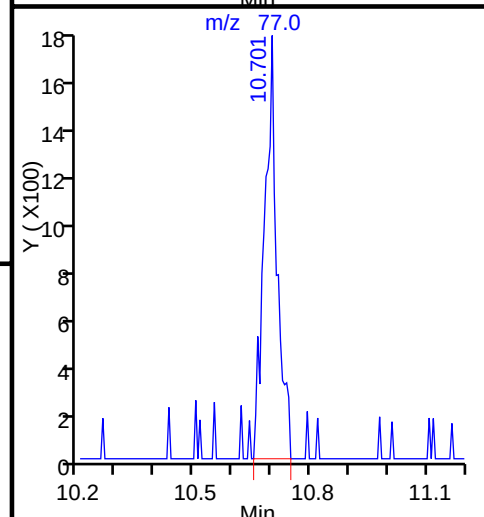
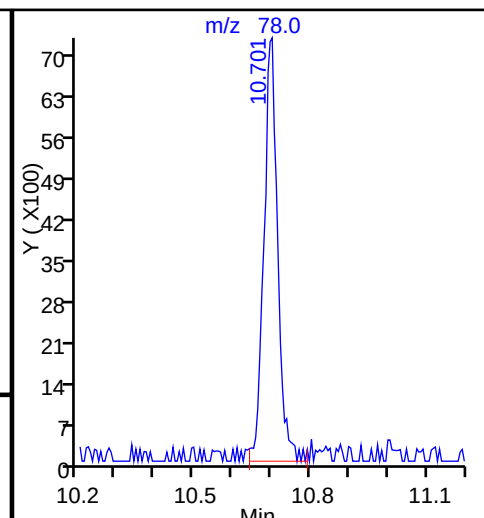
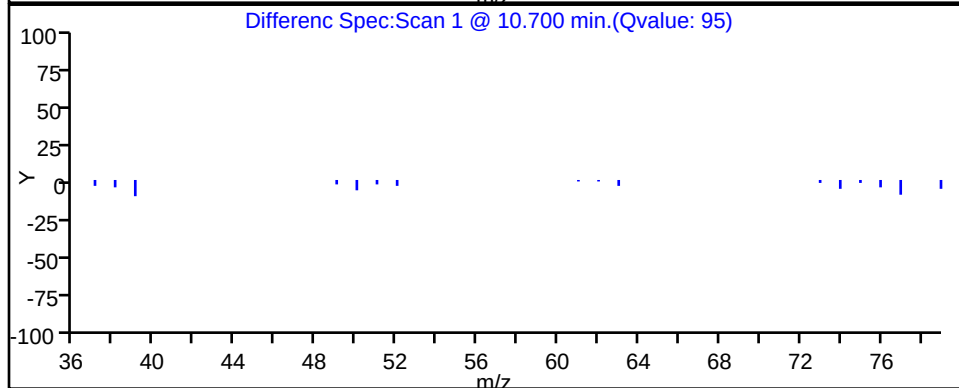
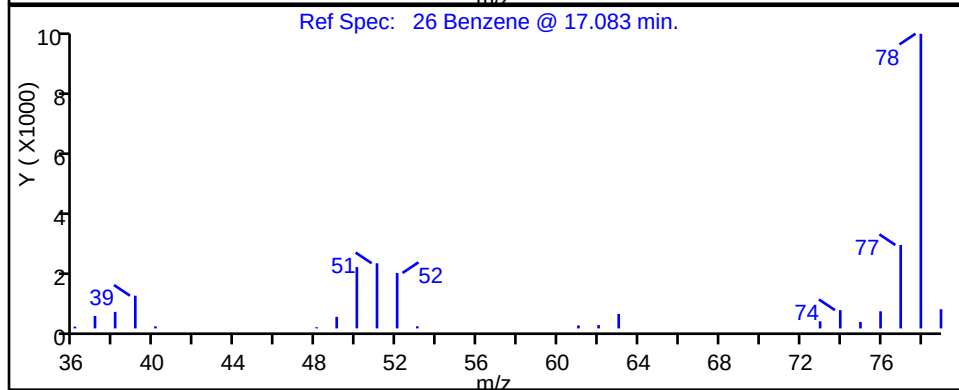
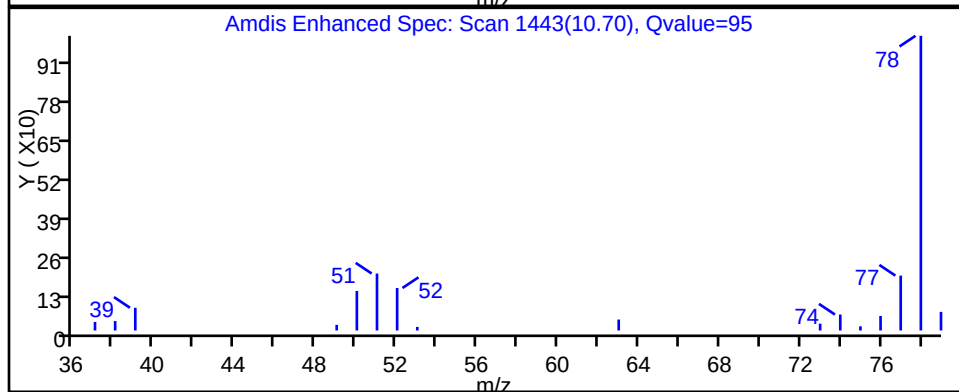
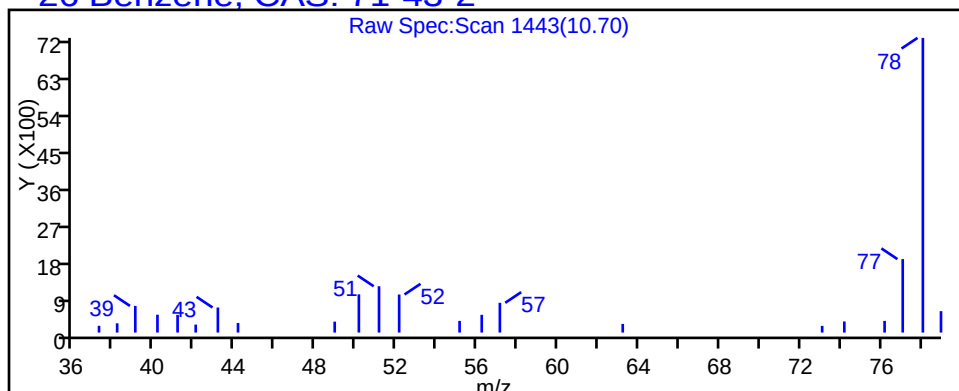
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

26 Benzene, CAS: 71-43-2

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

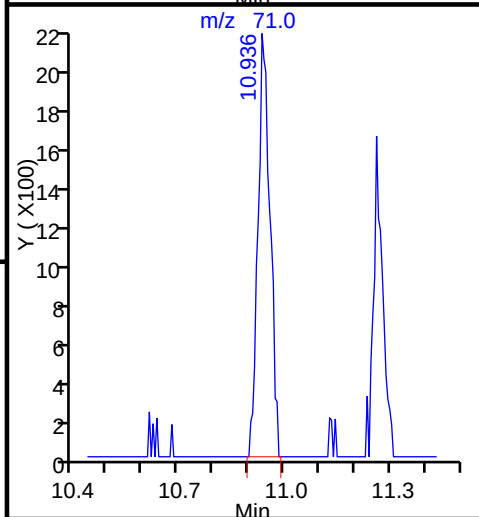
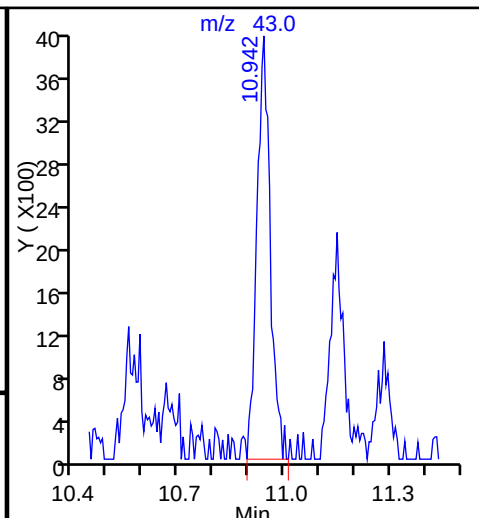
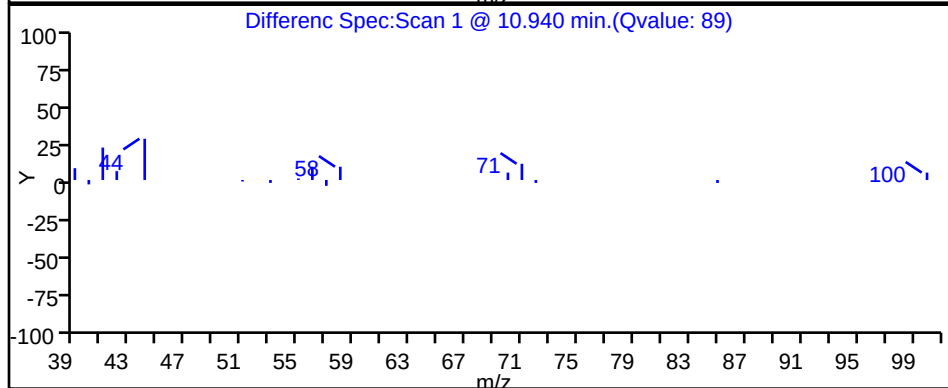
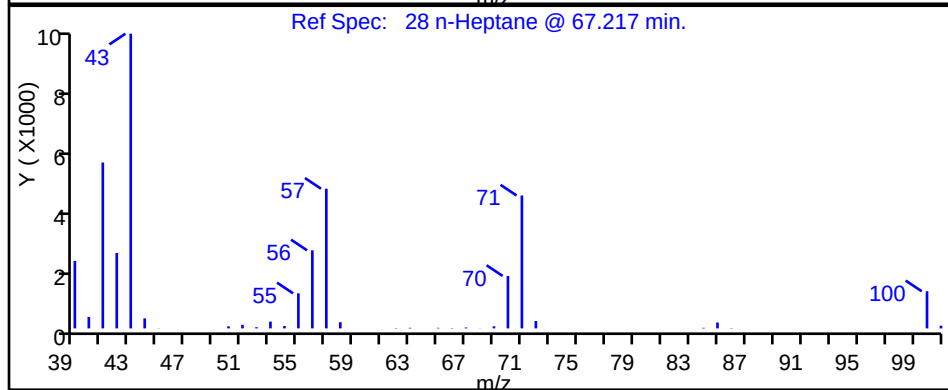
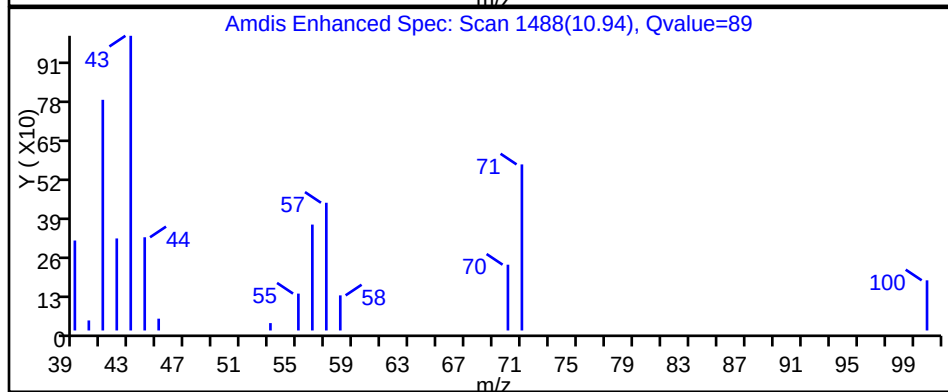
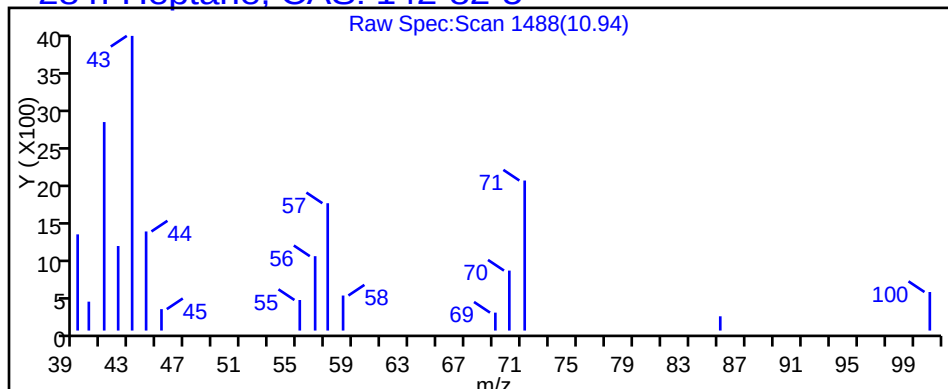
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

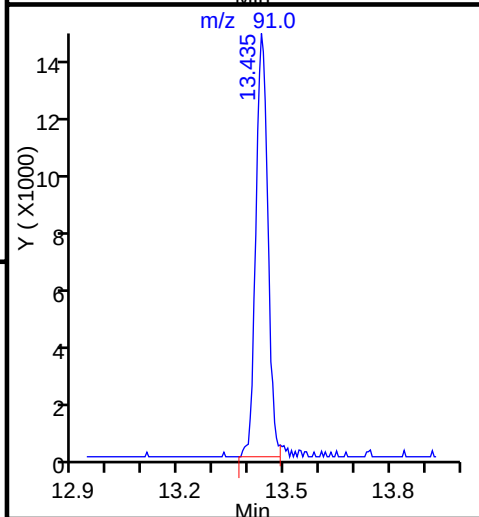
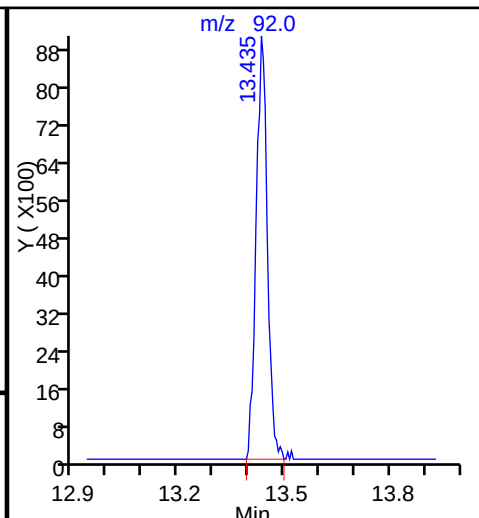
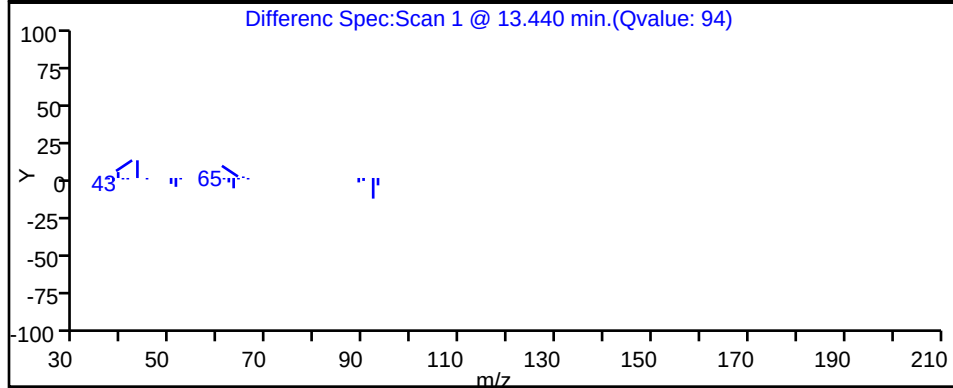
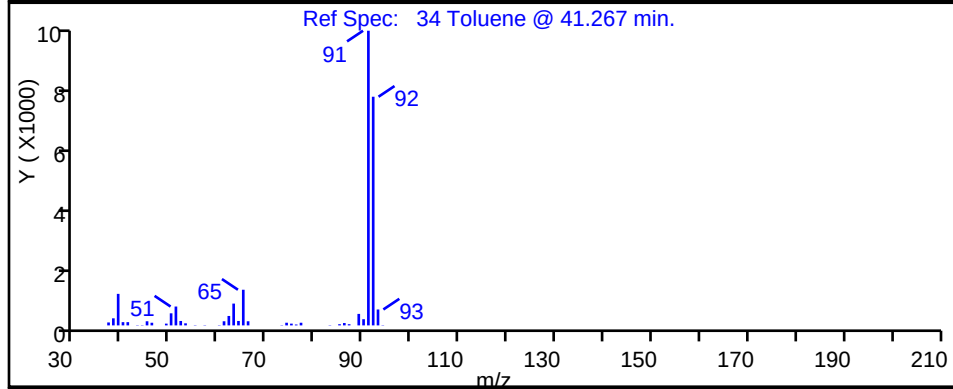
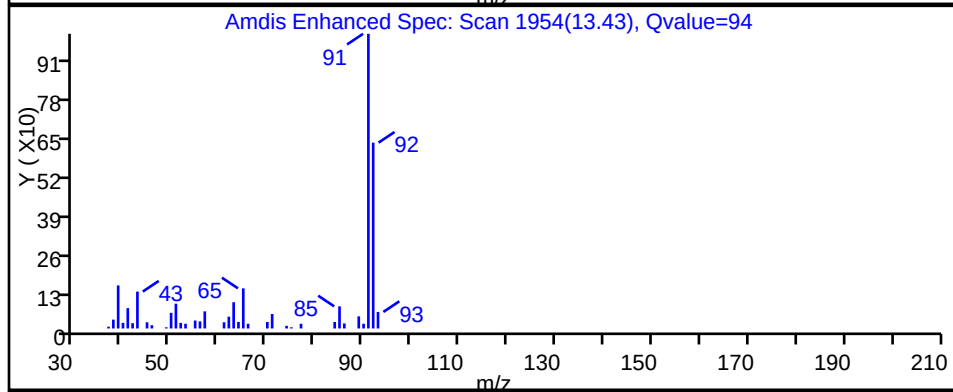
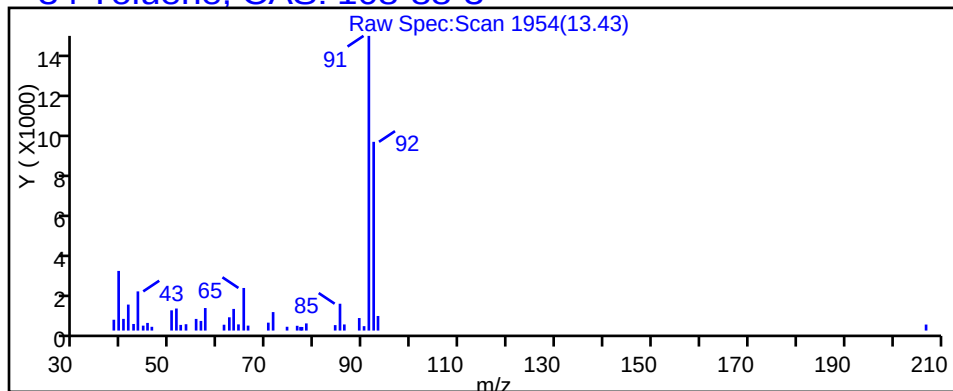
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

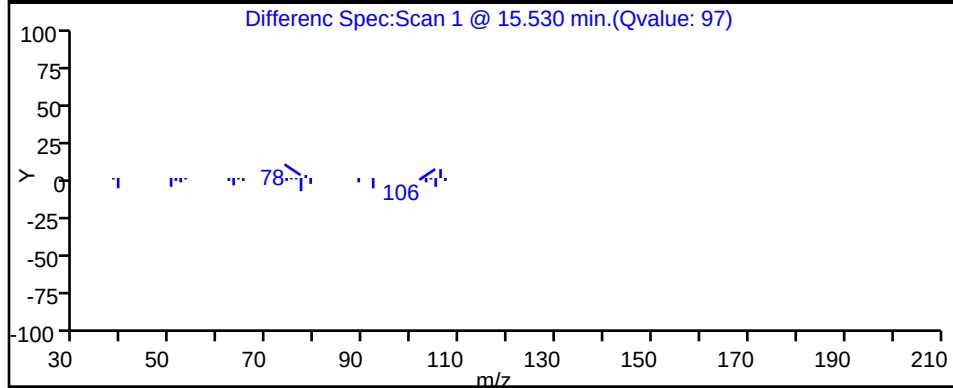
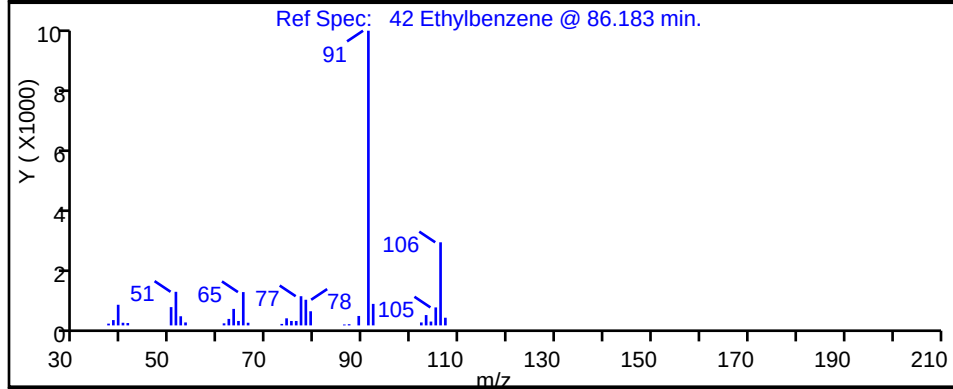
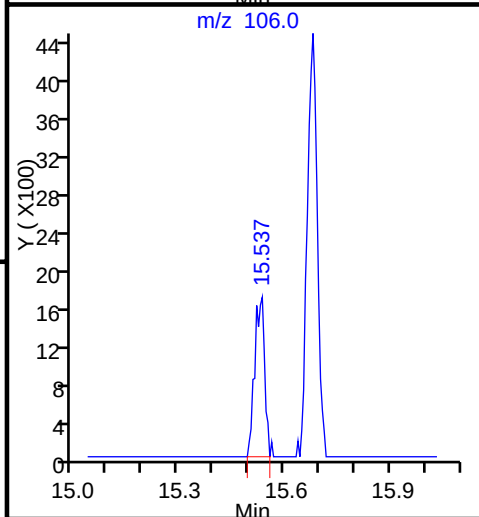
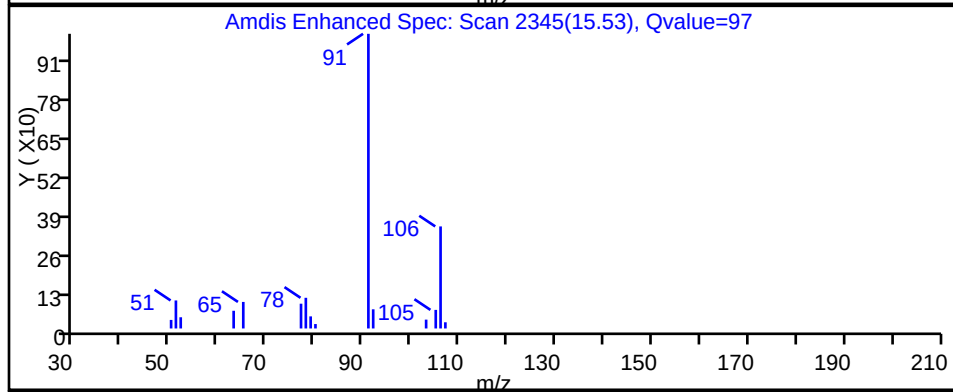
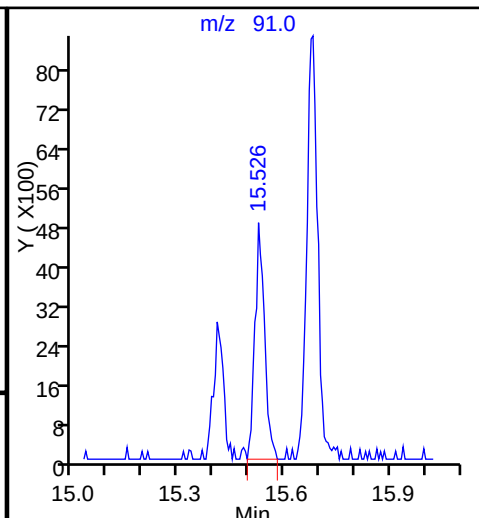
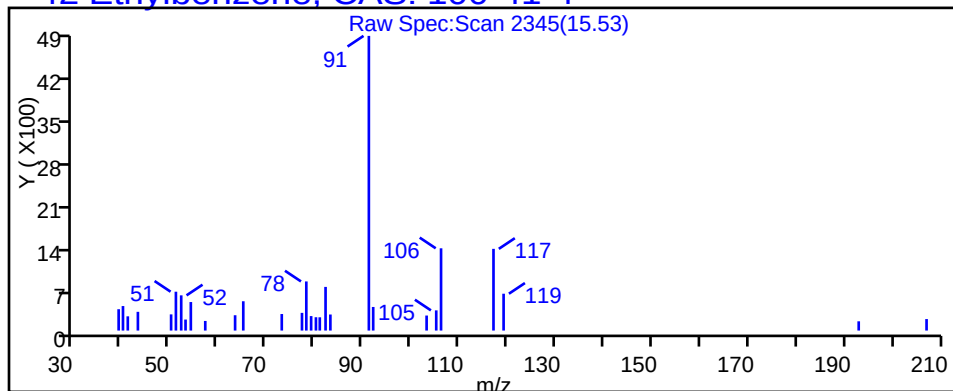
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 Toluene, CAS: 108-88-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D
Injection Date: 13-Jan-2016 10:01:30 Instrument ID: CHE.i
Lims ID: 200-31275-A-3 Lab Sample ID: 200-31275-3
Client ID: 2-IA-121715
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 4.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

42 Ethylbenzene, CAS: 100-41-4

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

Dil. Factor: 4.0000

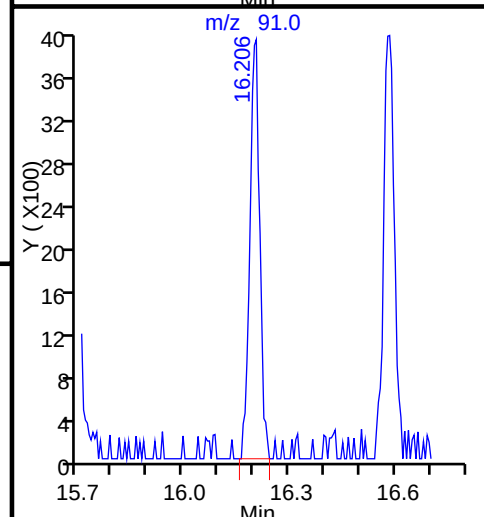
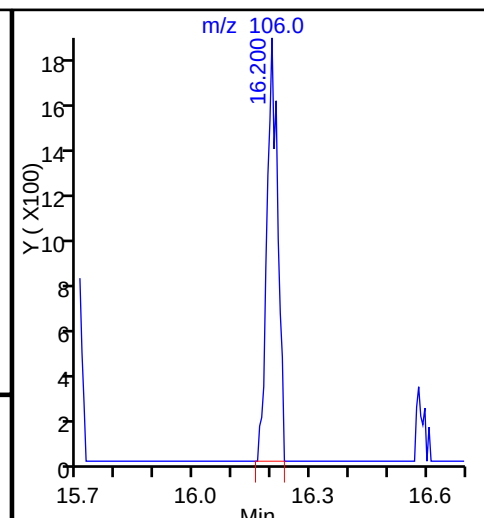
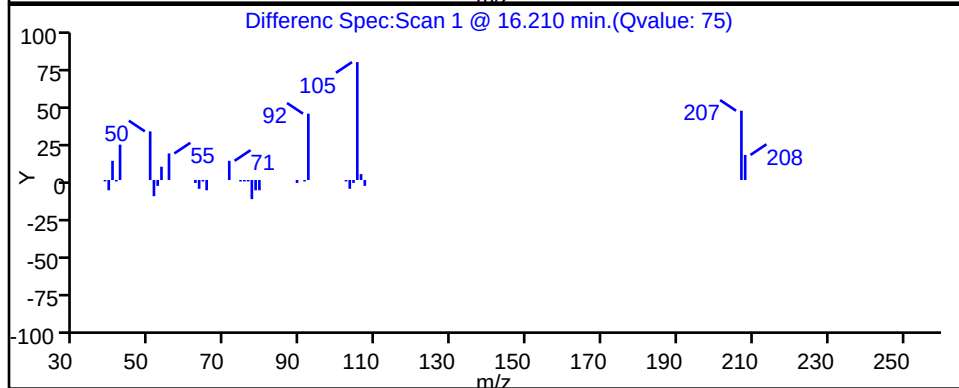
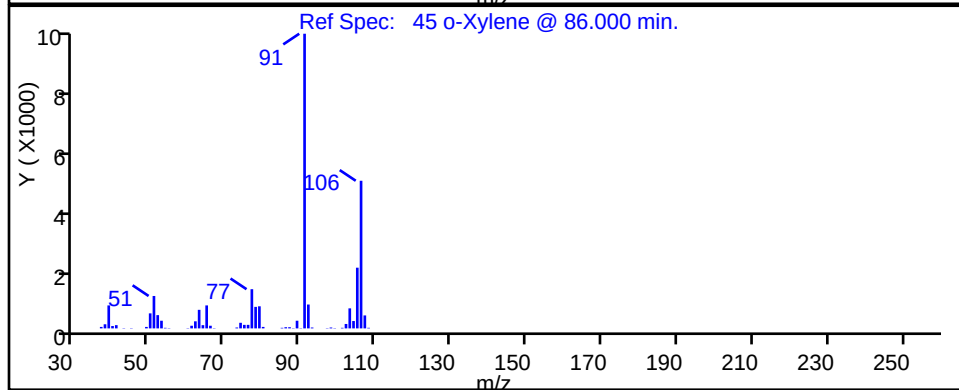
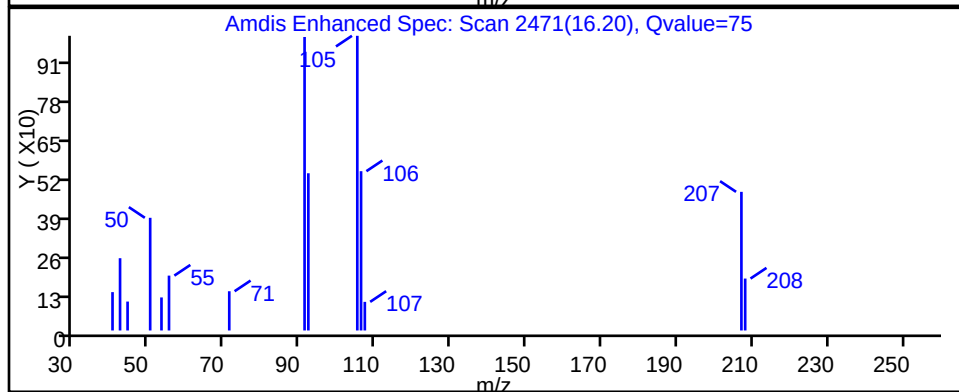
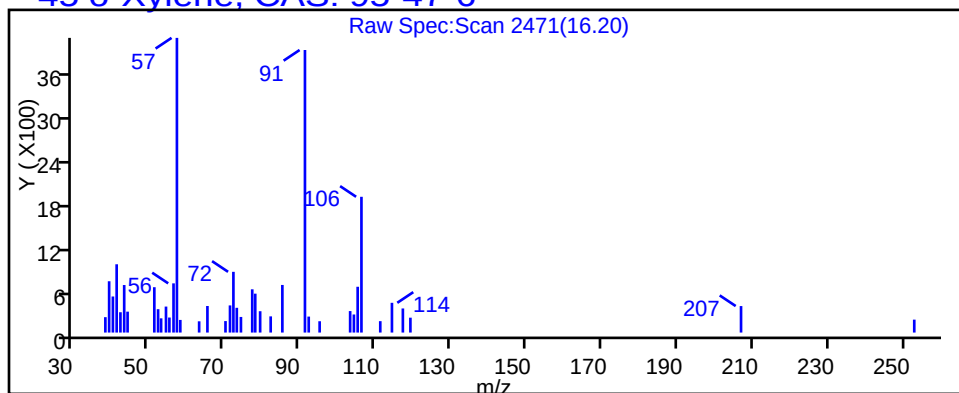
Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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



TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHE.i\\20160112-17734.b\\17734_006.D

Injection Date: 13-Jan-2016 10:01:30

Instrument ID: CHE.i

Lims ID: 200-31275-A-3

Lab Sample ID: 200-31275-3

Client ID: 2-IA-121715

Operator ID: wrd

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 500.000 mL

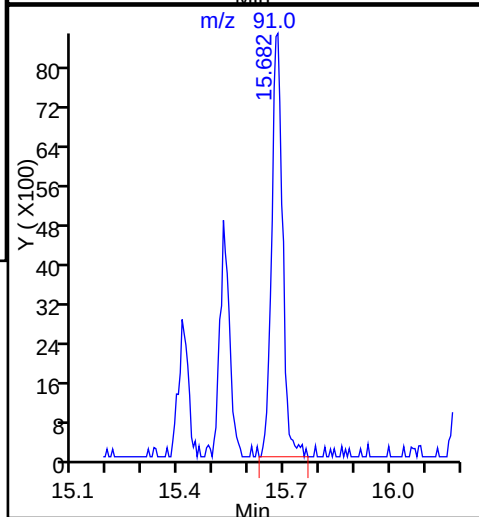
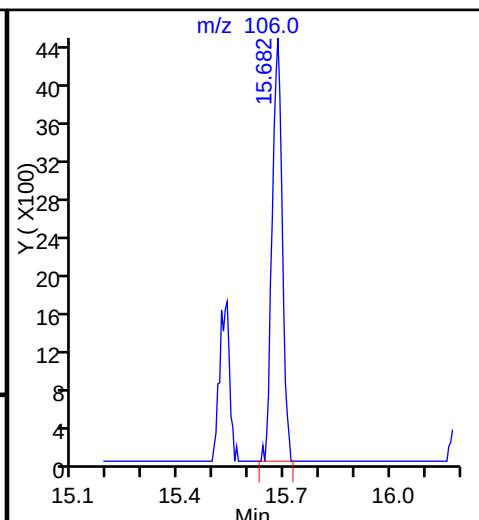
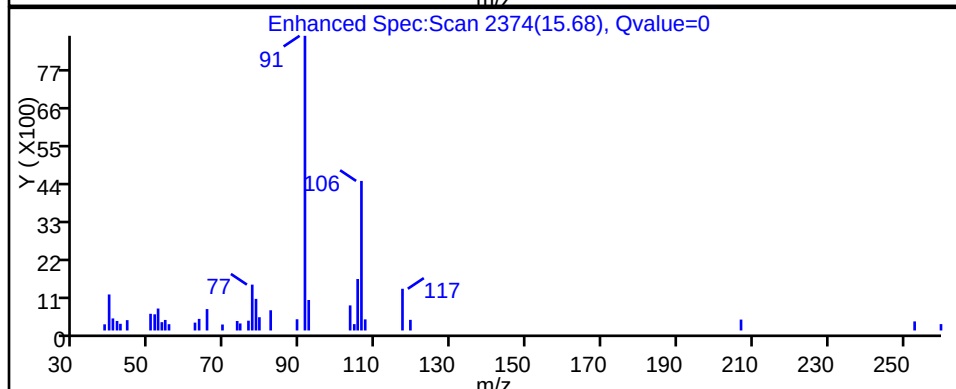
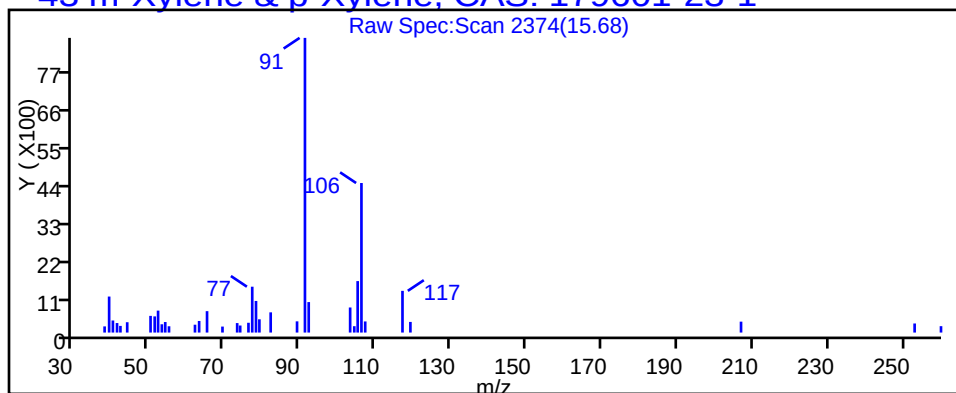
Dil. Factor: 4.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 m-Xylene & p-Xylene, CAS: 179601-23-1

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1 Analy Batch No.: 99371

SDG No.: 200-31275

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

Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-99371/3-XXX	17702_003.D
Level 2	IC 200-99371/18	17702_018.D
Level 3	IC 200-99371/4-XXX	17702_004.D
Level 4	IC 200-99371/19	17702_019.D
Level 5	IC 200-99371/5	17702_005.D
Level 6	IC 200-99371/20	17702_020.D
Level 7	IC 200-99371/6	17702_006.D
Level 8	ICIS 200-99371/7	17702_007.D
Level 9	IC 200-99371/8	17702_008.D
Level 10	IC 200-99371/9	17702_009.D
Level 11	IC 200-99371/10	17702_010.D
Level 12	IC 200-99371/11	17702_011.D
Level 13	IC 200-99371/12	17702_012.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 11	LVL 7 LVL 12	LVL 8 LVL 13	LVL 9	LVL 10												
Dichlorodifluoromethane	1.1568 1.6145 1.5099	1.9197 1.4446 +++++	1.2625 1.7003 +++++	1.9527 1.6972	1.2422 +++++	Ave		1.6913				11.3		30.0			
1,2-Dichlorotetrafluoroethane	0.7919 1.2428 1.2222	1.3924 1.0632 +++++	0.9553 1.3227 +++++	1.5423 1.3114	0.9433 +++++	Ave		1.2996				11.5		30.0			
Chloromethane	+++++ +++++ 0.3145	+++++ 0.3047 0.3024	+++++ 0.3548 0.2597	+++++ 0.3538	+++++ 0.3181	Ave		0.3154				10.4		30.0			
Vinyl chloride	+++++ 0.4004 0.4398	+++++ 0.4164 +++++	0.3389 0.4978 +++++	0.5669 0.4751	0.3360 +++++	Ave		0.4661				13.1		30.0			
1,3-Butadiene	+++++ 0.3237 0.2960	+++++ 0.2996 +++++	0.2626 0.3386 +++++	0.3703 0.3306	0.1939 +++++	Ave		0.3265				8.4		30.0			
Bromomethane	+++++ 0.5408 0.4983	+++++ 0.4563 +++++	0.4159 0.5404 +++++	0.7110 0.5323	0.3865 +++++	Ave		0.5465				15.9		30.0			
Chloroethane	+++++ 0.2064 0.2002	+++++ 0.1906 +++++	0.1603 0.2362 +++++	0.2865 0.2279	0.1660 +++++	Ave		0.2246				15.5		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.: 200-31275-1 Analy Batch No.: 99371
SDG No.: 200-31275
Instrument ID: CHE.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

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 11	LVL 7 LVL 12	LVL 8 LVL 13	LVL 9 LVL 10													
Bromoethene (Vinyl Bromide)	++++ 0.5248 0.5579	++++ 0.5109 ++++	0.4292 0.5980 ++++	0.6226 0.5856	0.4318 ++++	Ave		0.5666				7.7		30.0			
Trichlorofluoromethane	1.2040 1.7118 1.7175	1.9954 1.5700 ++++	1.4867 1.8500 ++++	2.1968 1.9083	1.4519 ++++	Ave		1.8500				11.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.1533 0.9680	++++ 0.9684 ++++	++++ 1.1112 ++++	++++ 1.1183	0.9110 ++++	Ave		1.0638				8.3		30.0			
1,1-Dichloroethene	0.2886 0.4251 0.4802	0.5083 0.3872 ++++	0.3031 0.4756 ++++	0.4977 0.4689	0.3496 ++++	Ave		0.4633				9.2		30.0			
3-Chloropropene	++++ 0.5917 0.4191	++++ 0.4723 ++++	0.4458 0.5423 ++++	0.6882 0.5743	0.4862 ++++	Ave		0.5480				17.2		30.0			
Methylene Chloride	++++ ++++ 0.4368	++++ 0.6451 0.4303	++++ 0.6683 0.4016	++++ 0.5828	++++ 0.4755	Ave		0.5201				21.1		30.0			
Methyl tert-butyl ether	0.6652 1.3073 1.2057	1.3231 1.0137 ++++	0.9214 1.2782 ++++	1.4735 1.4389	0.9377 ++++	Ave		1.2915				11.9		30.0			
trans-1,2-Dichloroethene	0.3920 0.6348 0.6375	0.7063 0.5565 ++++	0.4430 0.7118 ++++	0.6801 0.7059	0.5220 ++++	Ave		0.6619				8.5		30.0			
n-Hexane	++++ 0.6622 0.5918	++++ 0.5627 ++++	0.5003 0.6807 ++++	0.7517 0.6958	0.5063 ++++	Ave		0.6575				10.6		30.0			
1,1-Dichloroethane	0.5998 0.8099 0.6604	0.8697 0.6922 ++++	0.5925 0.8548 ++++	0.8900 0.8807	0.6266 ++++	Ave		0.8082				11.7		30.0			
cis-1,2-Dichloroethene	0.2908 0.4715 0.4086	0.5910 0.4072 ++++	0.3486 0.4827 ++++	0.5558 0.5224	0.3760 ++++	Ave		0.4913				14.3		30.0			
Chloroform	0.6691 1.0900 0.9091	1.1499 0.9564 ++++	0.8210 1.1136 ++++	1.1661 1.1833	0.8303 ++++	Ave		1.0812				9.9		30.0			
1,1,1-Trichloroethane	0.1916 0.3279 0.2497	0.3498 0.2675 ++++	0.2540 0.3286 ++++	0.3679 0.3665	0.2463 ++++	Ave		0.3226				14.5		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.: 200-31275-1 Analy Batch No.: 99371
SDG No.: 200-31275
Instrument ID: CHE.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

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 11	LVL 7 LVL 12	LVL 8 LVL 13	LVL 9	LVL 10												
Cyclohexane	0.0828 0.1524 0.1437	0.1856 0.1255 +++++	0.1265 0.1706 +++++	0.2099 0.1802	0.1238 +++++	Ave		0.1668				17.0		30.0			
Carbon tetrachloride	0.2083 0.3295 0.3105	0.3622 0.2799 +++++	0.2535 0.3661 +++++	0.4031 0.3945	0.2626 +++++	Ave		0.3494				12.9		30.0			
2,2,4-Trimethylpentane	0.3250 0.5126 0.4119	0.5298 0.4191 +++++	0.3854 0.5554 +++++	0.6130 0.6060	0.4101 +++++	Ave		0.5211				15.5		30.0			
Benzene	0.3191 0.3831 0.2509	0.4488 0.2680 +++++	0.3142 0.3379 +++++	0.4959 0.3849	0.3131 +++++	Ave		0.3671				24.4		30.0			
1,2-Dichloroethane	+++++ 0.1687 0.1350	+++++ 0.1382 +++++	0.1327 0.1867 +++++	0.2245 0.2108	0.1349 +++++	Ave		0.1773				20.8		30.0			
n-Heptane	0.1385 0.2132 0.1504	0.2248 0.1500 +++++	0.1650 0.2064 +++++	0.2690 0.2270	0.1682 +++++	Ave		0.2058				20.8		30.0			
Trichloroethene	0.0899 0.1631 0.1346	0.1953 0.1311 +++++	0.1283 0.1736 +++++	0.2196 0.1913	0.1284 +++++	Ave		0.1727				18.8		30.0			
1,2-Dichloropropane	+++++ 0.1238 0.0907	+++++ 0.0937 +++++	+++++ 0.1224 +++++	0.1449 0.1424	0.0990 +++++	Ave		0.1197				19.4		30.0			
Bromodichloromethane	0.1565 0.2618 0.2198	0.2410 0.2053 +++++	0.1903 0.2795 +++++	0.3107 0.3286	0.1943 +++++	Ave		0.2638				17.3		30.0			
cis-1,3-Dichloropropene	0.0921 0.1687 0.1420	0.1730 0.1284 +++++	0.1279 0.1777 +++++	0.2260 0.2115	0.1412 +++++	Ave		0.1753				19.8		30.0			
Toluene	0.1506 0.2715 0.2048	0.2436 0.1829 +++++	0.1903 0.2247 +++++	0.2983 0.2670	0.2121 +++++	Ave		0.2418				16.7		30.0			
trans-1,3-Dichloropropene	0.0760 0.1806 0.1533	0.1615 0.1103 +++++	0.1286 0.1815 +++++	0.2070 0.2206	0.1463 +++++	Ave		0.1735				21.0		30.0			
1,1,2-Trichloroethane	0.0523 0.1079 0.0918	0.1125 0.0835 +++++	0.0663 0.1102 +++++	0.1334 0.1282	0.1055 +++++	Ave		0.1096				16.3		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.: 200-31275-1 Analy Batch No.: 99371
SDG No.: 200-31275
Instrument ID: CHE.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

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 11	LVL 7 LVL 12	LVL 8 LVL 13	LVL 9	LVL 10												
Tetrachloroethene	0.1515 0.2149 0.1973	0.2519 0.1898 +++++	0.1684 0.2322 +++++	0.2611 0.2578	0.2074 +++++	Ave		0.2293				12.8		30.0			
Dibromochloromethane	0.1133 0.2011 0.2107	0.2308 0.1696 +++++	0.1268 0.2334 +++++	0.2535 0.2831	0.1864 +++++	Ave		0.2260				16.3		30.0			
1,2-Dibromoethane	0.0794 0.1813 0.1761	0.2247 0.1453 +++++	0.1214 0.1993 +++++	0.2269 0.2596	0.1552 +++++	Ave		0.2019				18.9		30.0			
Chlorobenzene	+++++ 0.3205 0.2635	+++++ 0.2339 0.2794	+++++ 0.3120 0.2839	+++++ 0.3683	0.2861 0.2657	Ave		0.2909				14.3		30.0			
Ethylbenzene	0.3214 0.5199 0.4346	0.5294 0.3529 +++++	0.3371 0.5520 +++++	0.6297 0.5957	0.4578 +++++	Ave		0.5163				18.4		30.0			
m-Xylene & p-Xylene	0.1178 0.2076 0.1792	0.2140 0.1469 +++++	0.1396 0.2446 +++++	0.2510 0.2407	0.1818 +++++	Ave		0.2120				18.0		30.0			
o-Xylene	0.0999 0.1961 0.1762	0.2169 0.1433 +++++	0.1262 0.2101 +++++	0.2401 0.2373	0.1725 +++++	Ave		0.2029				17.0		30.0			
Bromoform	0.0791 0.1520 0.1823	0.1549 0.1158 +++++	0.0951 0.1743 +++++	0.1911 0.2389	0.1465 +++++	Ave		0.1727				22.2		30.0			
1,1,2,2-Tetrachloroethane	0.1486 0.2653 0.2501	0.2890 0.2221 +++++	0.1805 0.2839 +++++	0.3389 0.3521	0.2324 +++++	Ave		0.2859				16.3		30.0			
4-Ethyltoluene	0.2660 0.5235 0.5270	0.5466 0.3568 +++++	0.3362 0.5778 +++++	0.7502 0.6958	0.4534 +++++	Ave		0.5682				22.5		30.0			
1,3,5-Trimethylbenzene	+++++ 0.4642 0.4934	+++++ 0.3327 +++++	0.3075 0.5026 +++++	0.6841 0.6009	0.4038 +++++	Ave		0.5130				23.5		30.0			
1,2,4-Trimethylbenzene	+++++ 0.4222 0.4644	+++++ 0.2876 0.4648	+++++ 0.5399 0.4636	+++++ 0.5863	0.3750 0.4110	Ave		0.4550				19.6		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-31275-1 Analy Batch No.: 99371

SDG No.: 200-31275

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

Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-99371/3-XXX	17702_003.D
Level 2	IC 200-99371/18	17702_018.D
Level 3	IC 200-99371/4-XXX	17702_004.D
Level 4	IC 200-99371/19	17702_019.D
Level 5	IC 200-99371/5	17702_005.D
Level 6	IC 200-99371/20	17702_020.D
Level 7	IC 200-99371/6	17702_006.D
Level 8	ICIS 200-99371/7	17702_007.D
Level 9	IC 200-99371/8	17702_008.D
Level 10	IC 200-99371/9	17702_009.D
Level 11	IC 200-99371/10	17702_010.D
Level 12	IC 200-99371/11	17702_011.D
Level 13	IC 200-99371/12	17702_012.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12	LVL 13			LVL 11	LVL 12	LVL 13		
Dichlorodifluoromethane	BCM	Ave	4137 18543 422001	6262 50178 +++++	7677 93340 +++++	11401 228492	14039 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,2-Dichlorotetrafluoroethane	BCM	Ave	2832 14274 341594	4542 36929 +++++	5809 72613 +++++	9005 176551	10661 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Chloromethane	BCM	Ave	+++++ +++++ 87891	+++++ 10583 130416	+++++ 19476 175266	+++++ 47631	+++++ 64638	+++++ +++++ 0.999	+++++ 0.1000 1.50	+++++ 0.200 2.00	+++++ 0.500	+++++ 0.749
Vinyl chloride	BCM	Ave	+++++ 4599 122928	+++++ 14462 +++++	2061 27329 +++++	3310 63961	3797 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,3-Butadiene	BCM	Ave	+++++ 3718 82720	+++++ 10405 +++++	1597 18588 +++++	2162 44506	2191 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Bromomethane	BCM	Ave	+++++ 6211 139283	+++++ 15849 +++++	2529 29668 +++++	4151 71668	4368 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Chloroethane	BCM	Ave	+++++ 2370 55957	+++++ 6619 +++++	975 12965 +++++	1673 30686	1876 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Bromoethene (Vinyl Bromide)	BCM	Ave	+++++ 6027 155937	+++++ 17744 +++++	2610 32830 +++++	3635 78843	4880 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1 Analy Batch No.: 99371

SDG No.: 200-31275

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

Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12	LVL 13			LVL 11	LVL 12	LVL 13		
Trichlorofluoromethane	BCM	Ave	4306 19660 480019	6509 54532 +++++	9040 101555 +++++	12826 256917	16409 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave	+++++ 13246 270540	+++++ 33636 +++++	+++++ 60999 +++++	+++++ 150552	10296 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	+++++ 0.200 +++++	+++++ 0.500	0.0402 +++++
1,1-Dichloroethene	BCM	Ave	1032 4882 134203	1658 13448 +++++	1843 26106 +++++	2906 63122	3951 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
3-Chloropropene	BCM	Ave	+++++ 6796 117125	+++++ 16406 +++++	+++++ 2711 29772 +++++	4018 77316	5495 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Methylene Chloride	BCM	Ave	+++++ +++++ 122087	+++++ 22408 185599	+++++ 36687 271048	+++++ 78459	+++++ 96607	+++++ +++++ 0.999	+++++ 0.1000 1.50	+++++ 0.200 2.00	+++++ 0.500	+++++ 0.749
Methyl tert-butyl ether	BCM	Ave	2379 15015 336997	4316 35211 +++++	5603 70169 +++++	8603 193720	10597 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
trans-1,2-Dichloroethene	BCM	Ave	1402 7291 178189	2304 19328 +++++	2694 39072 +++++	3971 95042	5899 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
n-Hexane	BCM	Ave	+++++ 7606 165411	+++++ 19545 +++++	+++++ 3042 37369 +++++	4389 93675	5722 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,1-Dichloroethane	BCM	Ave	2145 9302 184581	2837 24043 +++++	3603 46926 +++++	5196 118571	7082 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
cis-1,2-Dichloroethene	BCM	Ave	1040 5415 114209	1928 14142 +++++	2120 26496 +++++	3245 70337	4249 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Chloroform	BCM	Ave	2393 12519 254093	3751 33218 +++++	4992 61129 +++++	6808 159311	9384 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,1,1-Trichloroethane	DFB	Ave	2870 14480 302112	4496 39886 +++++	5919 69676 +++++	8068 186437	10691 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Cyclohexane	DFB	Ave	1240 6730 173905	2385 18715 +++++	2949 36188 +++++	4603 91649	5375 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1 Analy Batch No.: 99371

SDG No.: 200-31275

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

Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12	LVL 13			LVL 11	LVL 12	LVL 13		
Carbon tetrachloride	DFB	Ave	3120 14552 375683	4656 41737 +++++	5907 77633 +++++	8838 200692	11402 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
2,2,4-Trimethylpentane	DFB	Ave	4867 22637 498330	6810 62503 +++++	8980 117769 +++++	13441 308263	17805 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Benzene	DFB	Ave	4779 16920 303588	5768 39964 +++++	7321 71649 +++++	10874 195781	13594 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,2-Dichloroethane	DFB	Ave	+++++ 7452 163310	+++++ 20610 +++++	3093 39601 +++++	4922 107255	5856 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
n-Heptane	DFB	Ave	2075 9415 181983	2889 22373 +++++	3845 43772 +++++	5899 115492	7304 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Trichloroethene	DFB	Ave	1346 7201 162902	2510 19551 +++++	2989 36822 +++++	4815 97322	5573 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,2-Dichloropropane	DFB	Ave	+++++ 5469 109694	+++++ 13974 +++++	+++++ 25954 +++++	3178 72439	4297 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	+++++ 0.200 +++++	0.0201 0.500	0.0402 +++++
Bromodichloromethane	DFB	Ave	2344 11560 265938	3097 30614 +++++	4435 59281 +++++	6812 167166	8437 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
cis-1,3-Dichloropropene	DFB	Ave	1380 7451 171756	2223 19142 +++++	2981 37689 +++++	4956 107607	6132 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Toluene	CBZ	Ave	2350 13354 260129	3315 27015 +++++	5132 51686 +++++	6899 147911	8864 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
trans-1,3-Dichloropropene	DFB	Ave	1138 7974 185425	2076 16453 +++++	2997 38487 +++++	4539 112224	6352 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,1,2-Trichloroethane	CBZ	Ave	816 5307 116542	1531 12328 +++++	1789 25357 +++++	3085 70999	4408 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Tetrachloroethene	CBZ	Ave	2365 10571 250557	3428 28031 +++++	4542 53407 +++++	6039 142800	8665 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1 Analy Batch No.: 99371

SDG No.: 200-31275

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

Calibration Start Date: 01/11/2016 18:19 Calibration End Date: 01/12/2016 10:50 Calibration ID: 33264

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12	LVL 13			LVL 11	LVL 12	LVL 13		
Dibromochloromethane	CBZ	Ave	1769 9890 267536	3141 25043 +++++	3420 53689 +++++	5864 156827	7789 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,2-Dibromoethane	CBZ	Ave	1240 8917 223648	3058 21452 +++++	3273 45833 +++++	5247 143798	6486 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Chlorobenzene	CBZ	Ave	+++++ 15764 334696	+++++ 34547 546615	+++++ 71760 818302	+++++ 204072	11953 259471	+++++ 0.0402 0.999	+++++ 0.1000 1.50	+++++ 0.200 2.00	+++++ 0.500	0.0402 0.749
Ethylbenzene	CBZ	Ave	5016 25574 551894	7204 52122 +++++	9092 126970 +++++	14564 330003	19128 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
m-Xylene & p-Xylene	CBZ	Ave	3677 20422 455150	5824 43378 +++++	7531 112519 +++++	11611 266685	15195 +++++	0.0201 0.0804 2.00	0.0201 0.200 +++++	0.0402 0.400 +++++	0.0402 1.000	0.0804 +++++
o-Xylene	CBZ	Ave	1559 9645 223719	2951 21168 +++++	3403 48334 +++++	5554 131474	7210 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
Bromoform	CBZ	Ave	1234 7474 231552	2108 17101 +++++	2565 40084 +++++	4419 132358	6122 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	2319 13049 317683	3933 32799 +++++	4867 65292 +++++	7838 195070	9712 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
4-Ethyltoluene	CBZ	Ave	4152 25749 669301	7438 52693 +++++	9067 132901 +++++	17350 385500	18946 +++++	0.0100 0.0402 0.999	0.0100 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 22833 626545	+++++ 49135 +++++	8294 115604 +++++	15822 332911	16873 +++++	+++++ 0.0402 0.999	+++++ 0.1000 +++++	0.0201 0.200 +++++	0.0201 0.500	0.0402 +++++
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 20768 589717	+++++ 42473 909206	+++++ 124178 1336128	+++++ 324846	15671 401434	+++++ 0.0402 0.999	+++++ 0.1000 1.50	+++++ 0.200 2.00	+++++ 0.500	0.0402 0.749

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
 Lims ID: ic not used
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Jan-2016 18:19:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-003
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:23 Calib Date: 12-Jan-2016 10:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 07:59:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	98	4137	0.0100	0.007347	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.377	0.000	87	2832	0.0100	0.006556	
3 Chloromethane	50	3.500	3.500	0.000	45	1362	0.0100	0.0121	
4 Vinyl chloride	62	3.720	3.720	0.000	9	930	0.0100	0.005607	M
5 Butadiene	54	3.773	3.773	0.000	41	751	0.0100	0.006465	
6 Bromomethane	94	4.367	4.367	0.000	47	1333	0.0100	0.006854	
7 Chloroethane	64	4.554	4.554	0.000	1	430	0.0100	0.005379	
8 Vinyl bromide	106	4.934	4.934	0.000	38	1331	0.0100	0.006601	M
9 Trichlorofluoromethane	101	5.020	5.020	0.000	90	4306	0.0100	0.006967	
10 1,1,2-Trichloro-1,2,2-trif	101	6.149	6.149	0.000	86	3097	0.0100	0.008181	
11 1,1-Dichloroethene	96	6.191	6.191	0.000	29	1032	0.0100	0.006715	
12 3-Chloro-1-propene	41		6.967				ND	ND	
13 Methylene Chloride	49	7.261	7.261	0.000	93	8733	0.0100	0.0472	
14 Methyl tert-butyl ether	73	7.711	7.711	0.000	85	2379	0.0100	0.005583	
15 trans-1,2-Dichloroethene	61	7.711	7.711	0.000	91	1402	0.0100	0.006386	
16 Hexane	57	8.069	8.069	0.000	63	1585	0.0100	0.006774	M
17 1,1-Dichloroethane	63	8.492	8.492	0.000	11	2145	0.0100	0.007831	M
S 18 1,2-Dichloroethene, Total	61				0		0.0201	0.0129	
19 cis-1,2-Dichloroethene	96	9.433	9.433	0.000	1	1040	0.0100	0.006517	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	79	711722	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	7	2393	0.0100	0.006642	
22 1,1,1-Trichloroethane	97	10.145	10.145	0.000	94	2870	0.0100	0.006420	
23 Cyclohexane	84	10.172	10.172	0.000	68	1240	0.0100	0.005468	
24 Carbon tetrachloride	117	10.364	10.364	0.000	93	3120	0.0100	0.006394	
25 Isooctane	57	10.685	10.685	0.000	75	4867	0.0100	0.006640	
26 Benzene	78	10.690	10.690	0.000	94	4779	0.0100	0.009201	
27 1,2-Dichloroethane	62	10.803	10.803	0.000	1	1502	0.0100	0.005684	M
28 n-Heptane	43	10.937	10.937	0.000	87	2075	0.0100	0.007195	
* 29 1,4-Difluorobenzene	114	11.274	11.274	0.000	94	2980504	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	33	1346	0.0100	0.005731	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63		12.001				ND	ND	
32 Dichlorobromomethane	83	12.381	12.381	0.000	80	2344	0.0100	0.006248	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	13	1380	0.0100	0.005654	M
34 Toluene	92	13.446	13.446	0.000	93	2350	0.0100	0.006621	
35 trans-1,3-Dichloropropene	75	13.815	13.815	0.000	5	1138	0.0100	0.004734	
36 1,1,2-Trichloroethane	83	14.066	14.066	0.000	3	816	0.0100	0.005201	M
37 Tetrachloroethene	166	14.216	14.216	0.000	91	2365	0.0100	0.007085	
38 Chlorodibromomethane	129	14.628	14.628	0.000	93	1769	0.0100	0.005444	
39 Ethylene Dibromide	107	14.831	14.831	0.000	34	1240	0.0100	0.004409	
* 40 Chlorobenzene-d5	117	15.420	15.420	0.000	85	3105992	2.00	2.00	
41 Chlorobenzene	112	15.457	15.457	0.000	83	2947	0.0100	0.006523	
42 Ethylbenzene	91	15.532	15.532	0.000	97	5016	0.0100	0.006638	
43 m-Xylene & p-Xylene	106	15.687	15.687	0.000	0	3677	0.0201	0.0119	
S 44 Xylenes, Total	106				0		0.0301	0.0173	
45 o-Xylene	106	16.206	16.206	0.000	93	1559	0.0100	0.005393	
46 Bromoform	173	16.516	16.516	0.000	26	1234	0.0100	0.004908	M
47 1,1,2,2-Tetrachloroethane	83	17.046	17.046	0.000	21	2319	0.0100	0.005617	M
48 4-Ethyltoluene	105	17.249	17.249	0.000	95	4152	0.0100	0.005062	
49 1,3,5-Trimethylbenzene	105	17.313	17.313	0.000	90	3269	0.0100	0.004103	
50 1,2,4-Trimethylbenzene	105	17.752	17.752	0.000	93	3251	0.0100	0.004601	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATT15LLCAL1w_00061

Amount Added: 100.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic not used

Worklist Smp#: 3

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

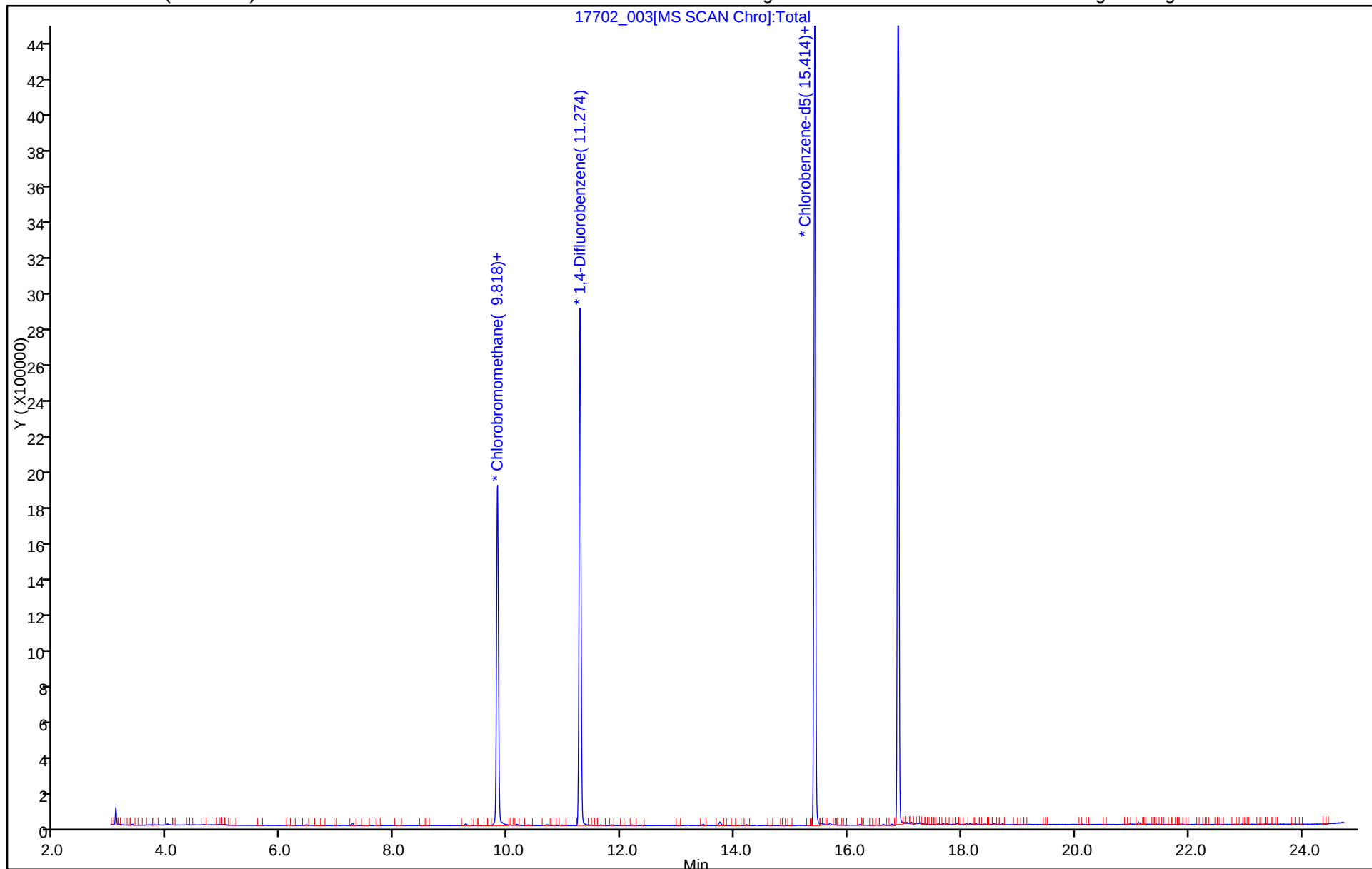
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

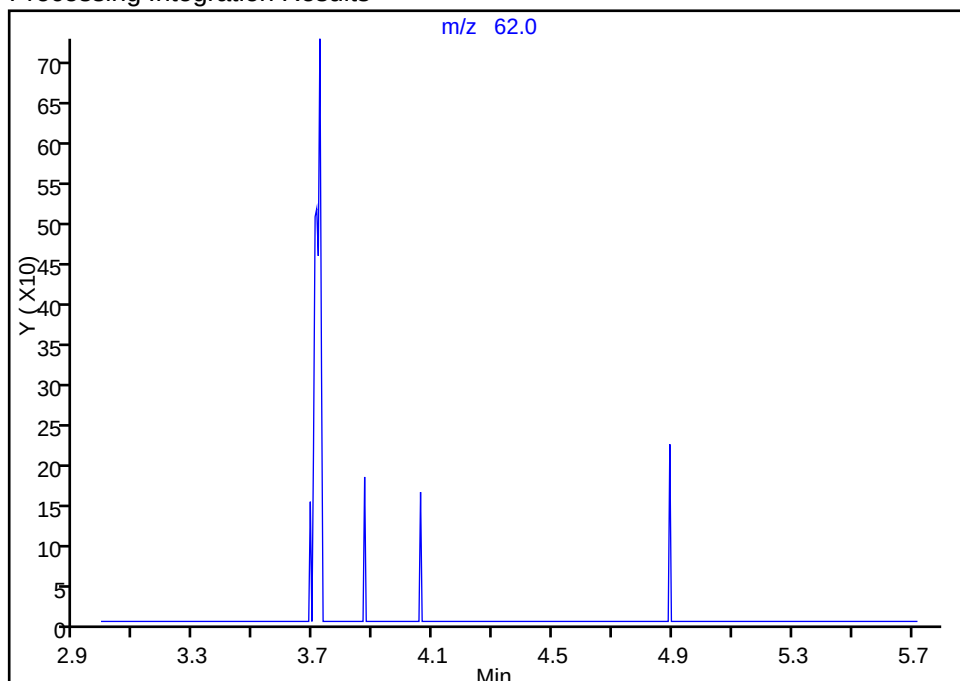
Detector: MS SCAN

4 Vinyl chloride, CAS: 75-01-4

Not Detected

Expected RT: 3.72

Processing Integration Results



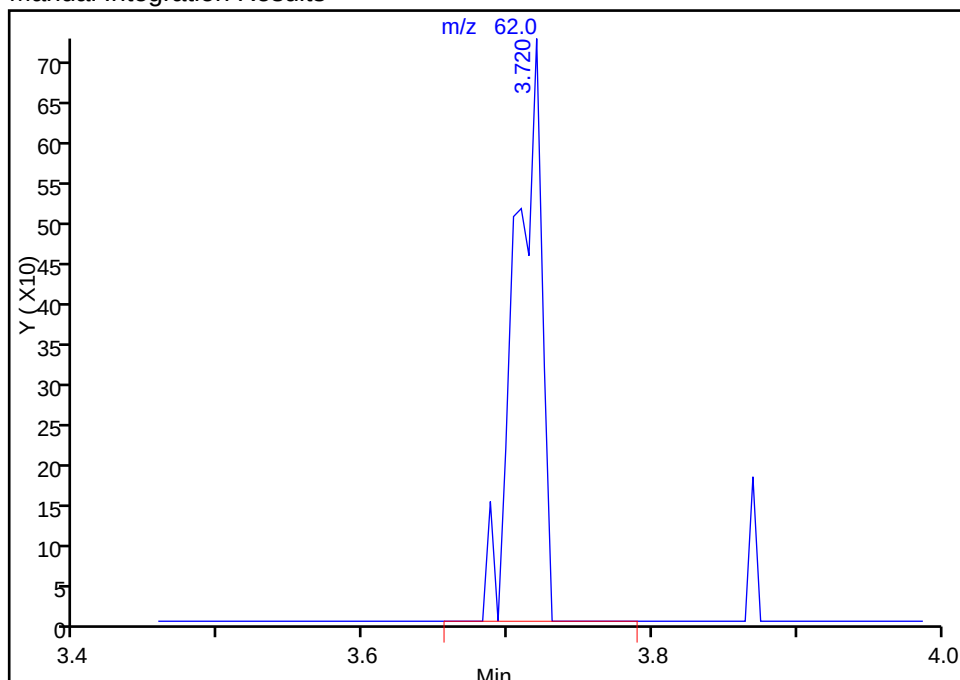
RT: 3.72

Area: 930

Amount: 0.005607

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

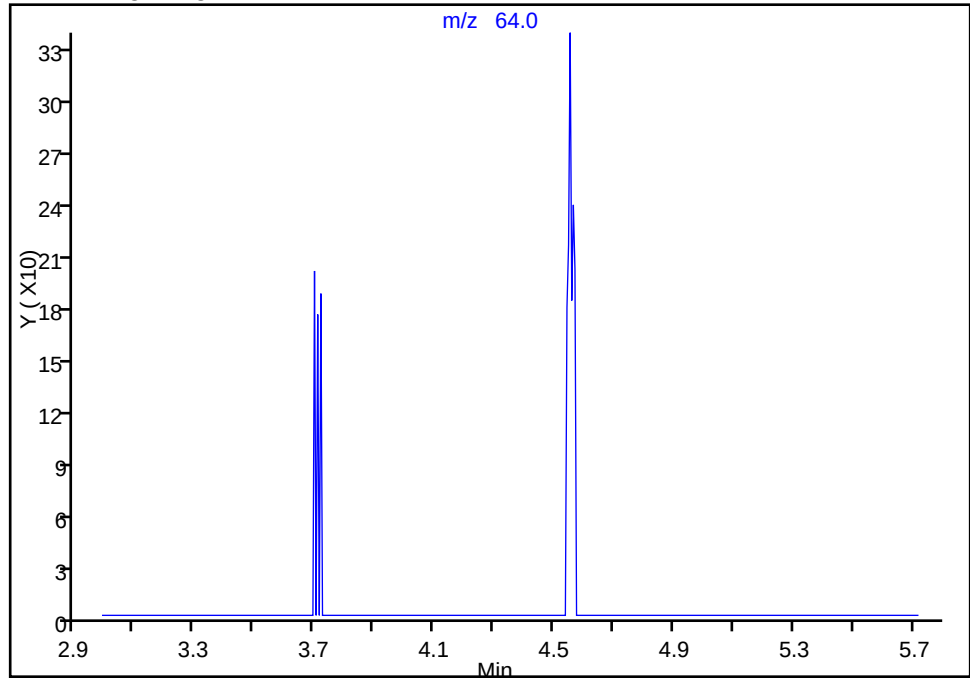
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

4 Vinyl chloride, CAS: 75-01-4

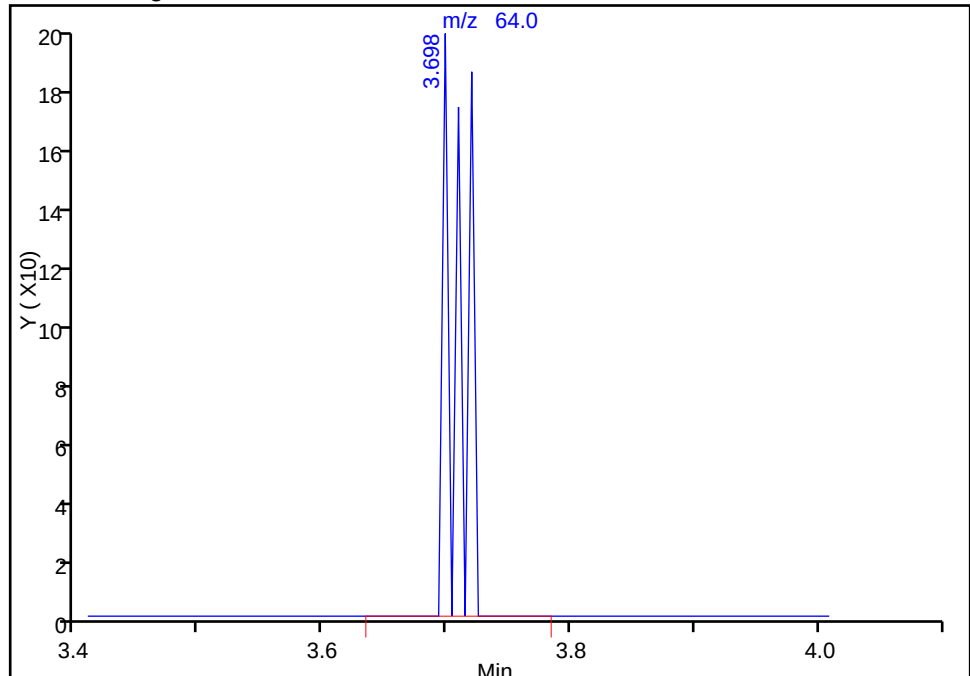
Not Detected
Expected RT: 3.72

Processing Integration Results



RT: 3.70
Area: 178
Amount: 0.005607
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

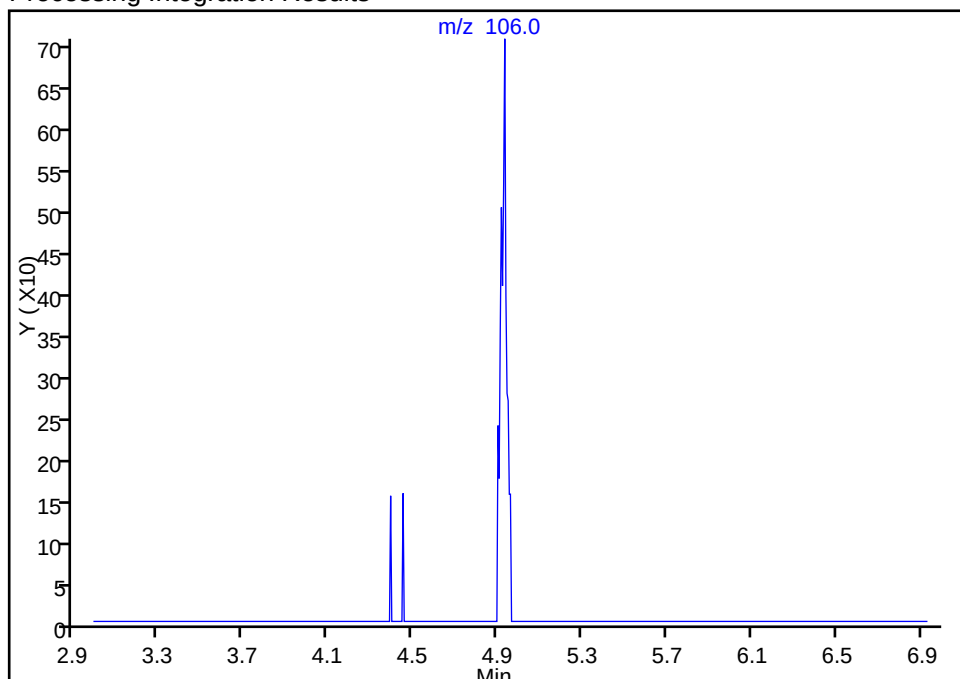
Detector: MS SCAN

8 Vinyl bromide, CAS: 593-60-2

Not Detected

Expected RT: 4.93

Processing Integration Results



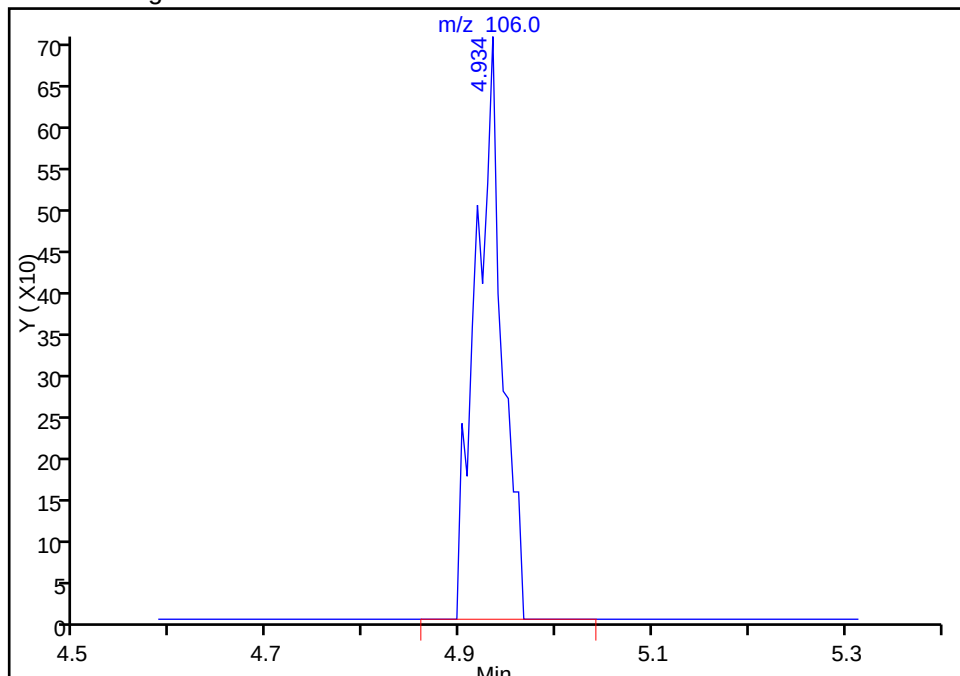
RT: 4.93

Area: 1331

Amount: 0.006601

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#:

3

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

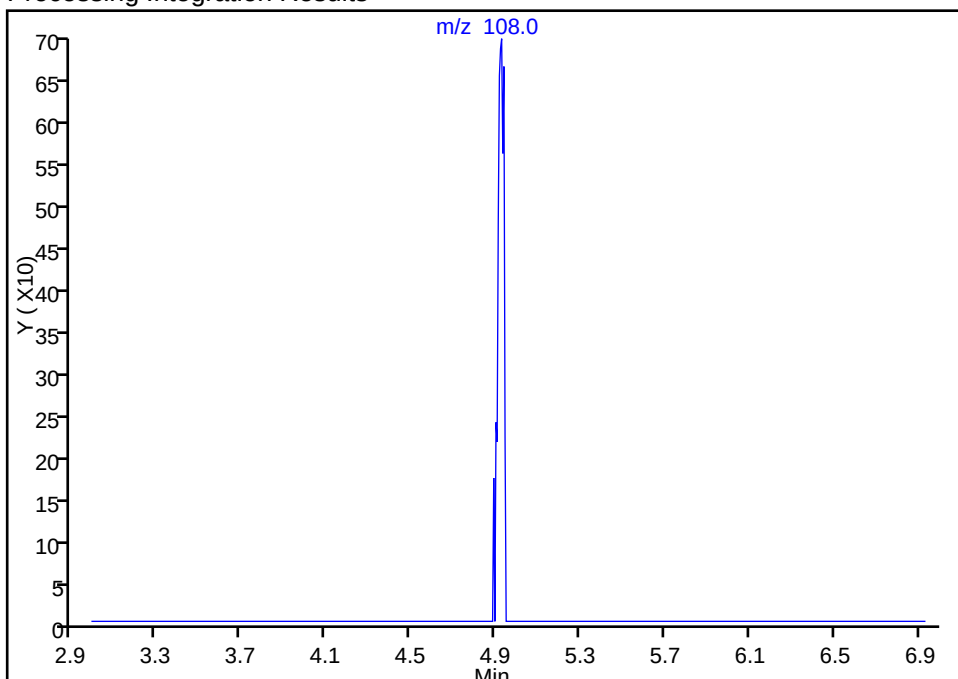
MS SCAN

8 Vinyl bromide, CAS: 593-60-2

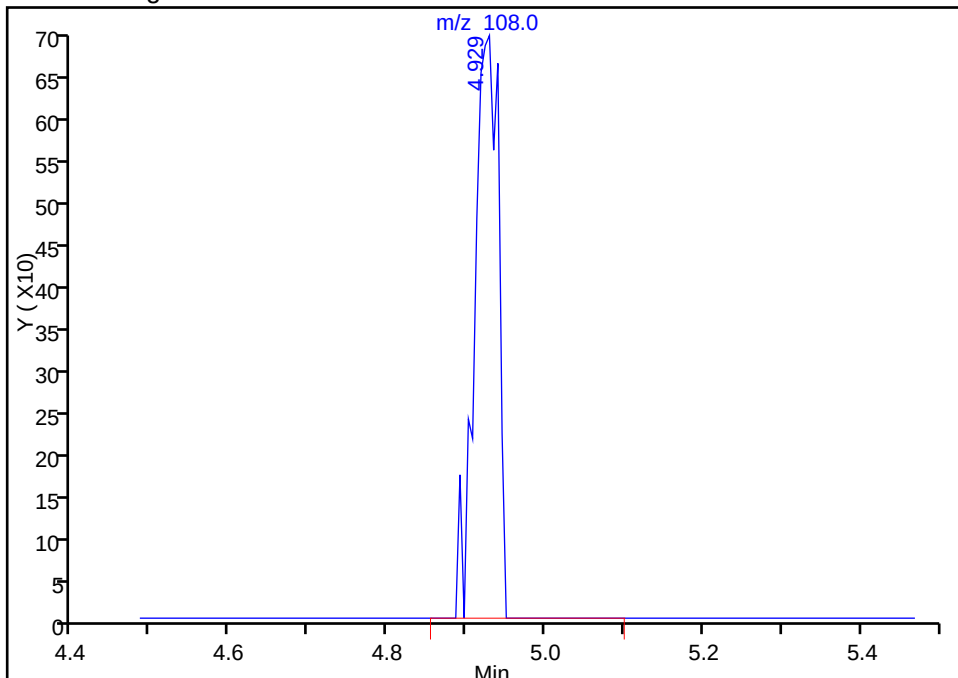
Not Detected

Expected RT: 4.93

Processing Integration Results



Manual Integration Results



RT: 4.93

Area: 1458

Amount: 0.006601

Amount Units: ppb v/v

Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

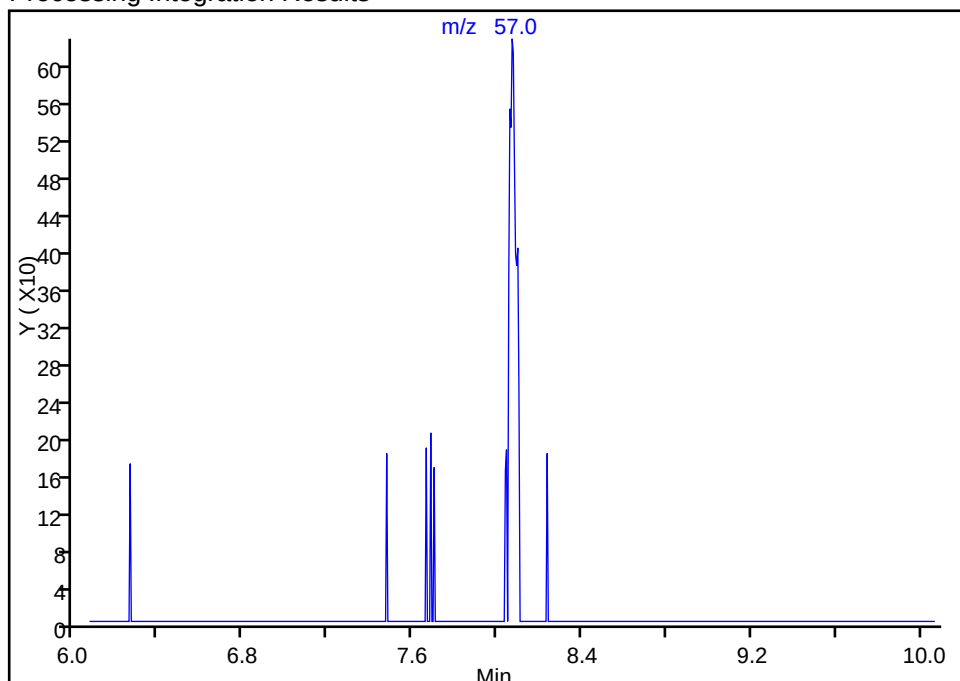
Detector: MS SCAN

16 Hexane, CAS: 110-54-3

Not Detected

Expected RT: 8.07

Processing Integration Results



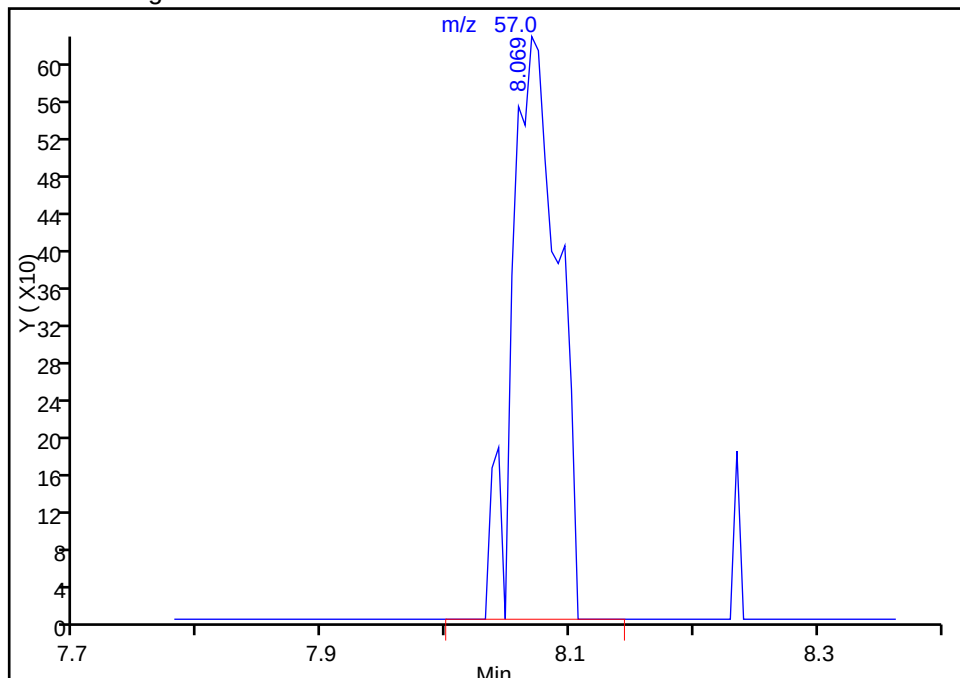
RT: 8.07

Area: 1585

Amount: 0.006774

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

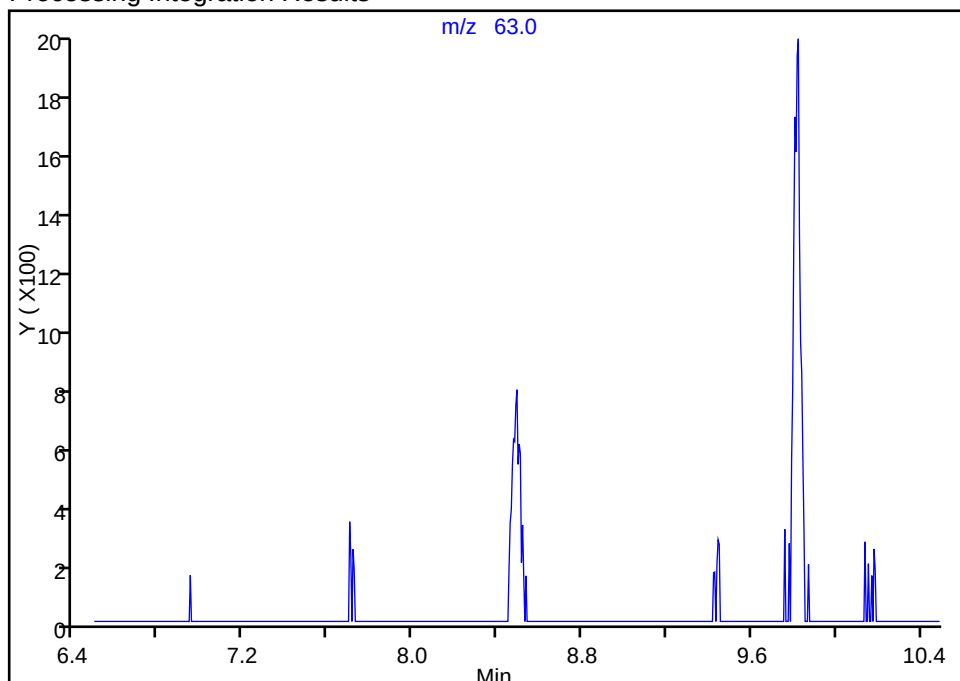
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

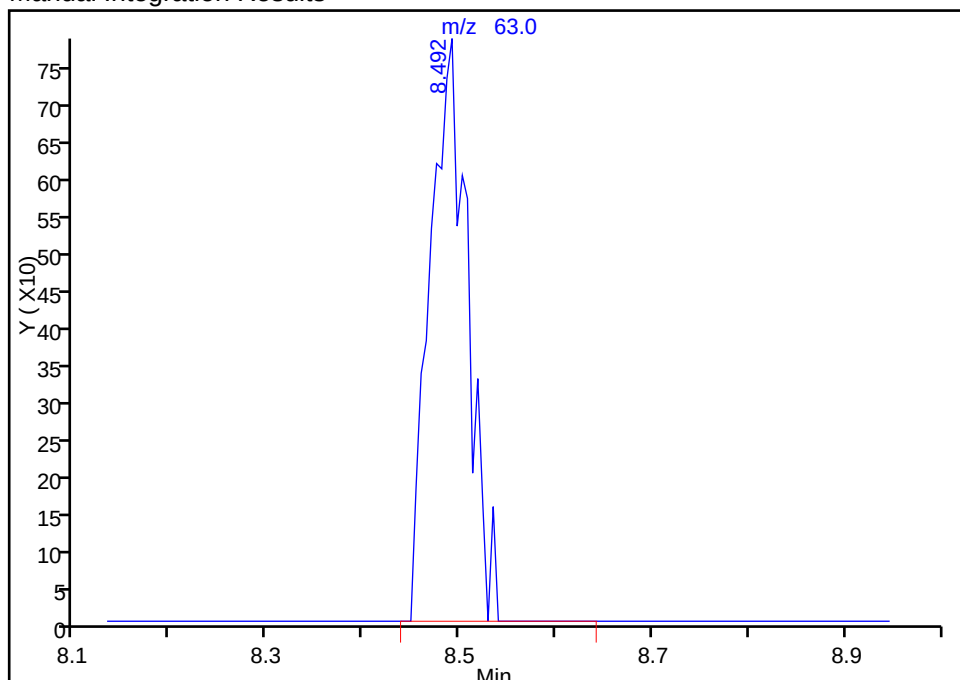
17 1,1-Dichloroethane, CAS: 75-34-3

Not Detected
Expected RT: 8.49

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

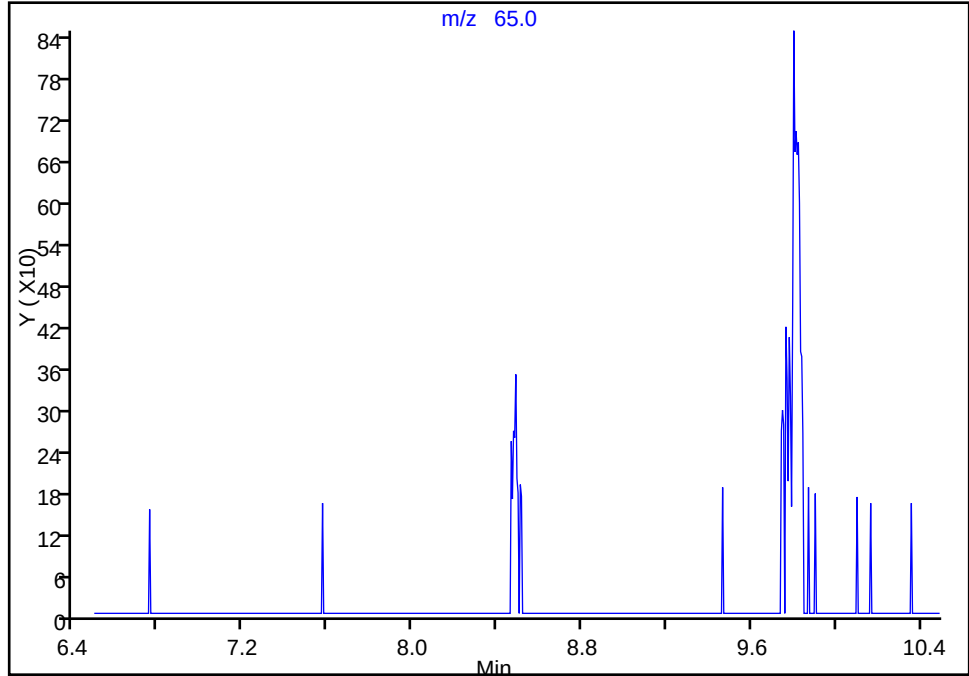
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

17 1,1-Dichloroethane, CAS: 75-34-3

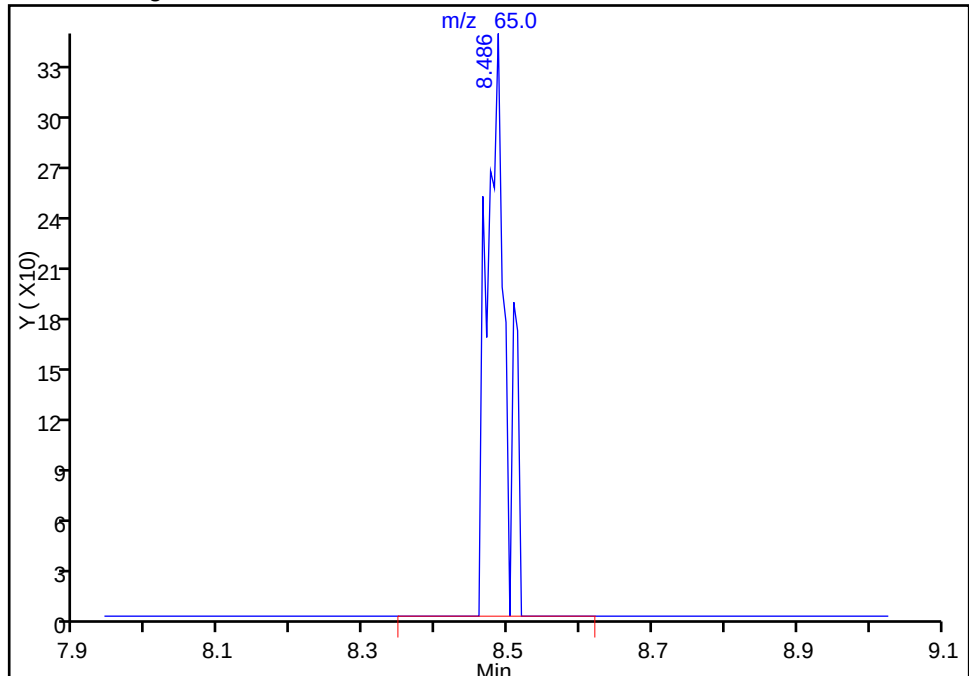
Not Detected
Expected RT: 8.49

Processing Integration Results



RT: 8.49
Area: 645
Amount: 0.007831
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

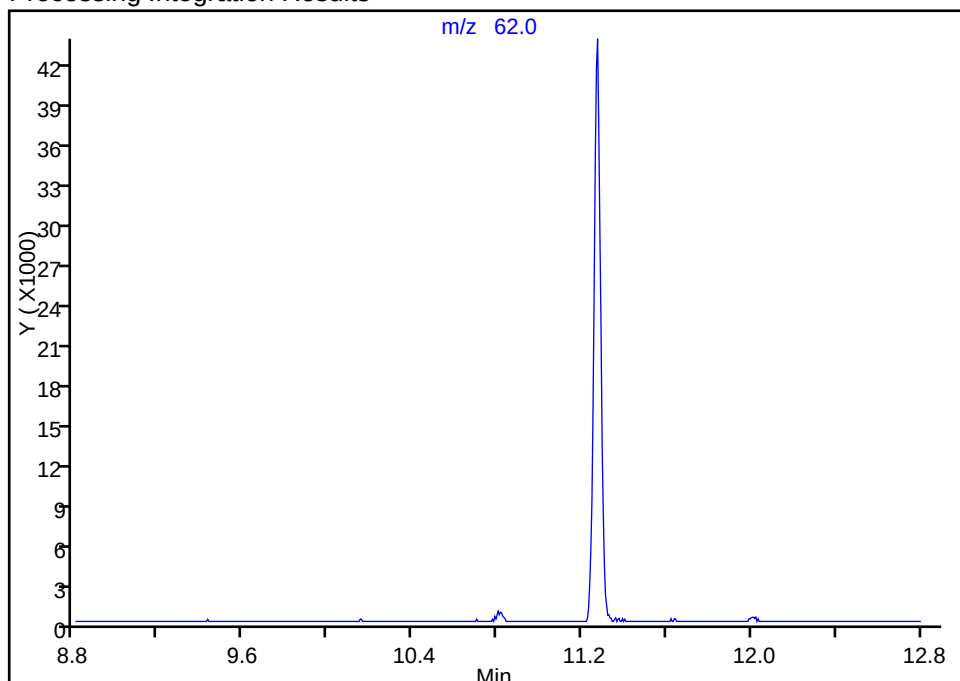
Detector: MS SCAN

27 1,2-Dichloroethane, CAS: 107-06-2

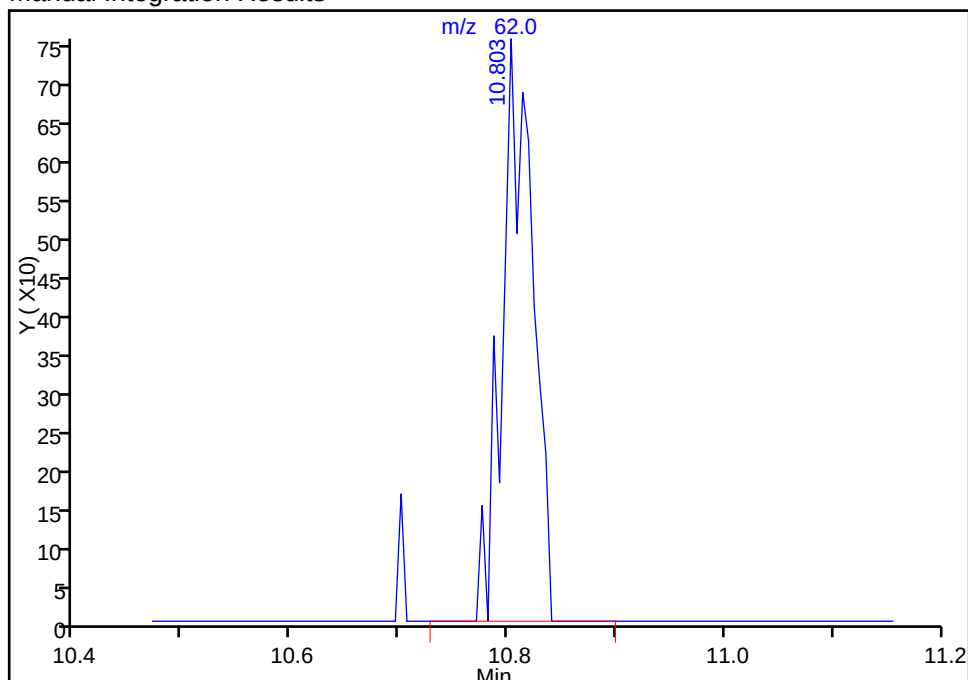
Not Detected

Expected RT: 10.80

Processing Integration Results



Manual Integration Results



RT: 10.80

Area: 1502

Amount: 0.005684

Amount Units: ppb v/v

Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

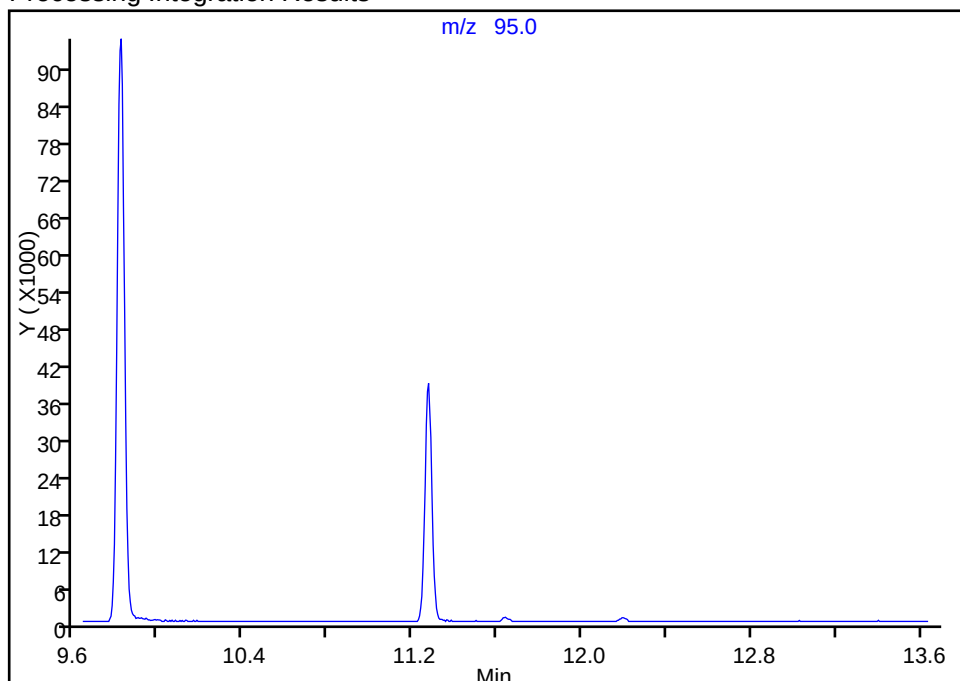
Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

Not Detected

Expected RT: 11.64

Processing Integration Results



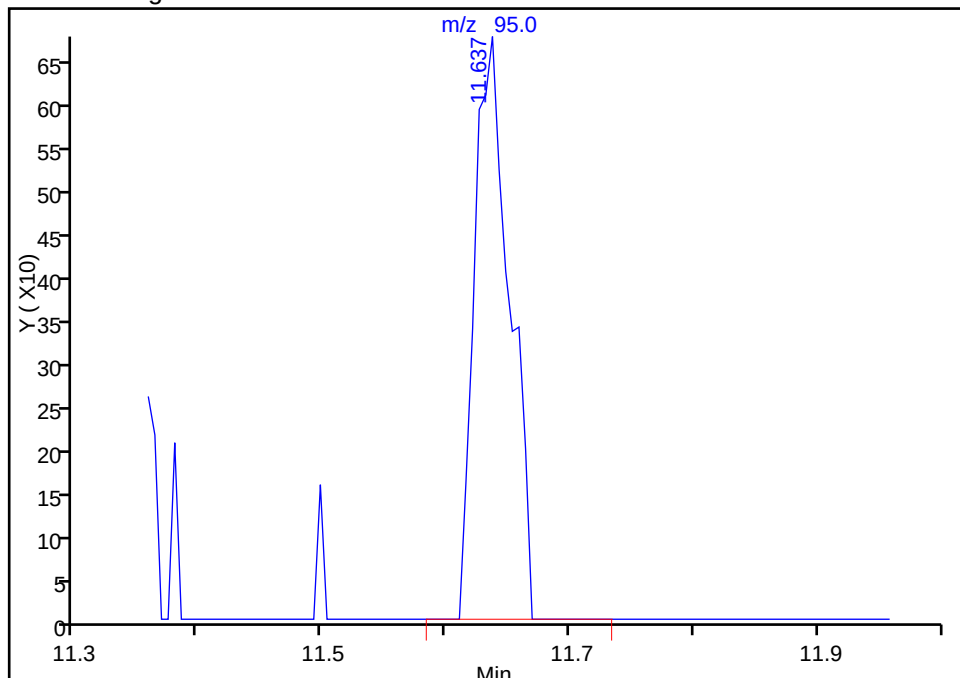
RT: 11.64

Area: 1346

Amount: 0.005731

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

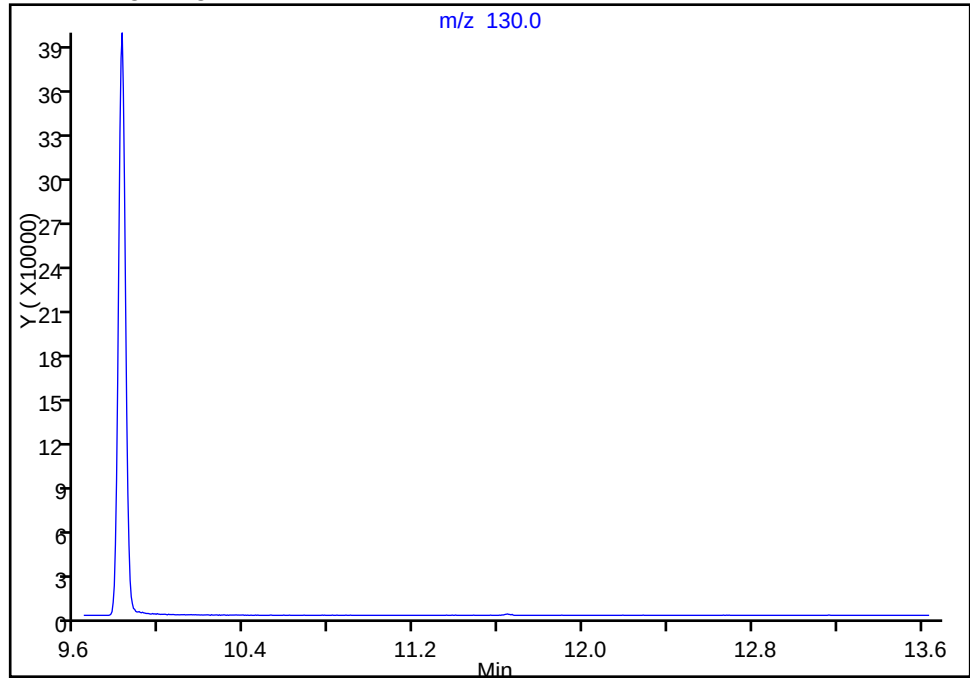
MS SCAN

30 Trichloroethene, CAS: 79-01-6

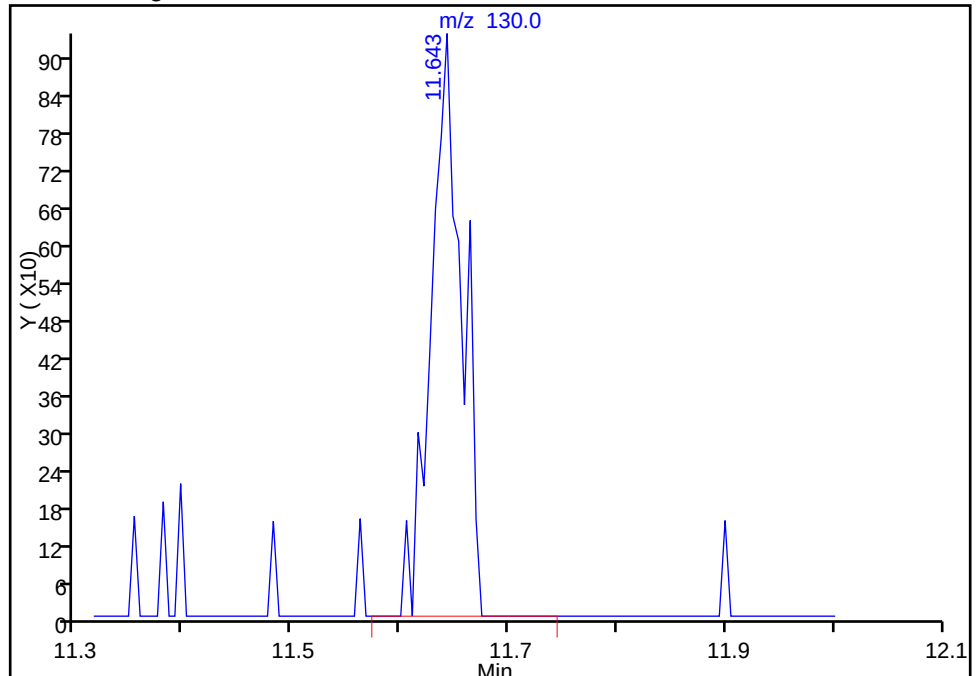
Not Detected

Expected RT: 11.64

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

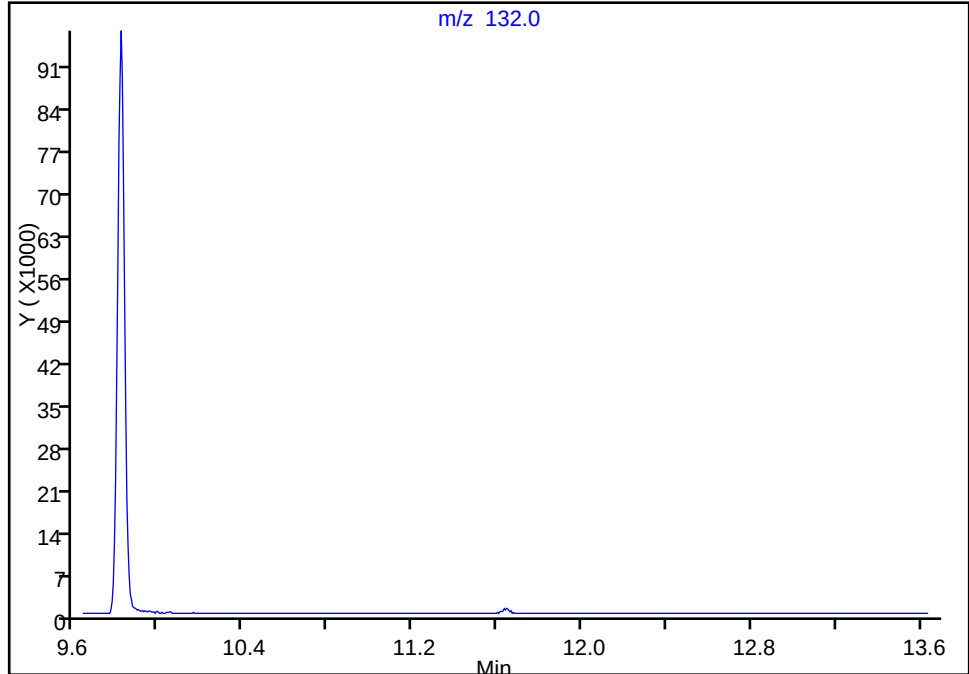
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

30 Trichloroethene, CAS: 79-01-6

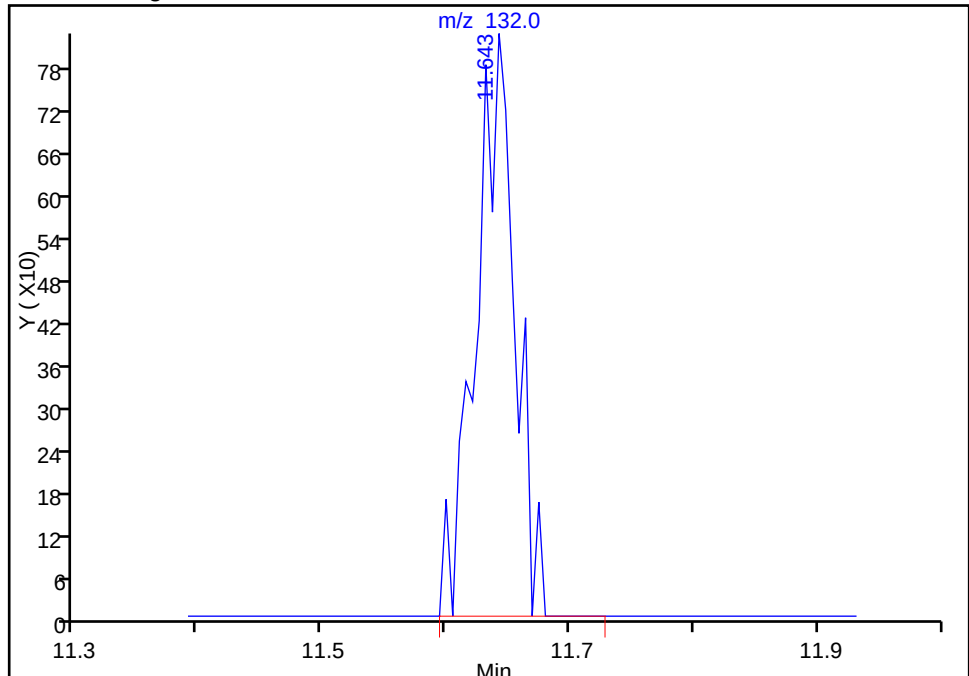
Not Detected
Expected RT: 11.64

Processing Integration Results



RT: 11.64
Area: 1817
Amount: 0.005731
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

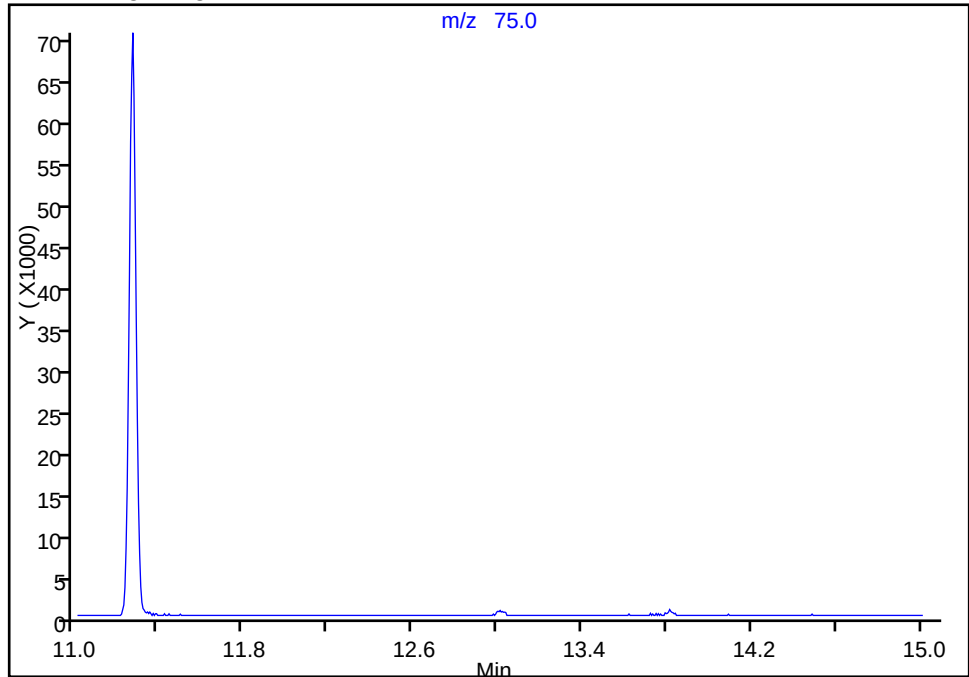
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

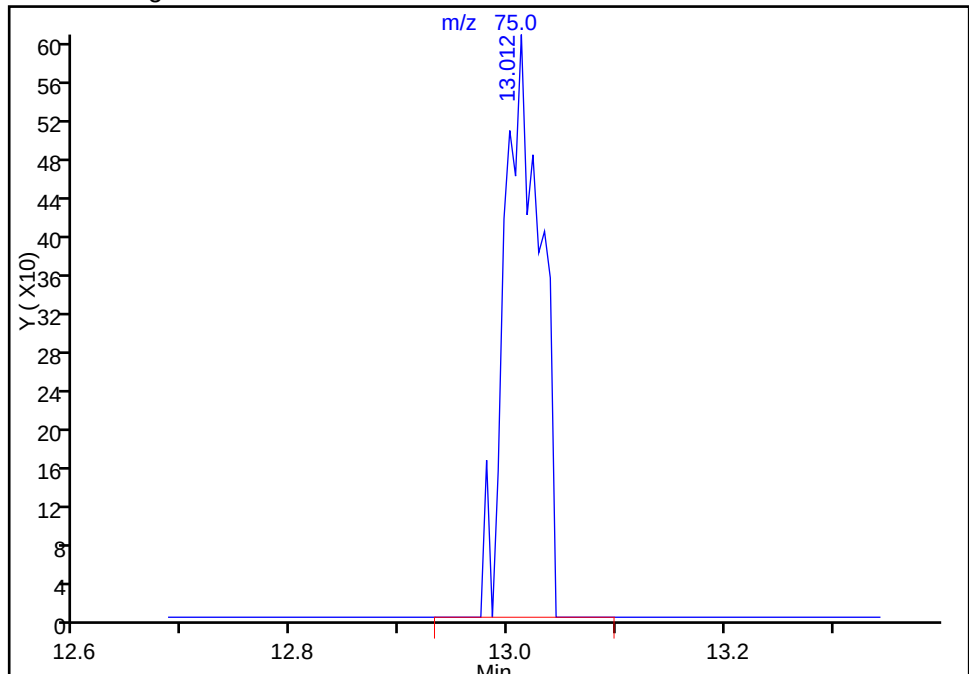
Not Detected
Expected RT: 13.01

Processing Integration Results



RT: 13.01
Area: 1380
Amount: 0.005654
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

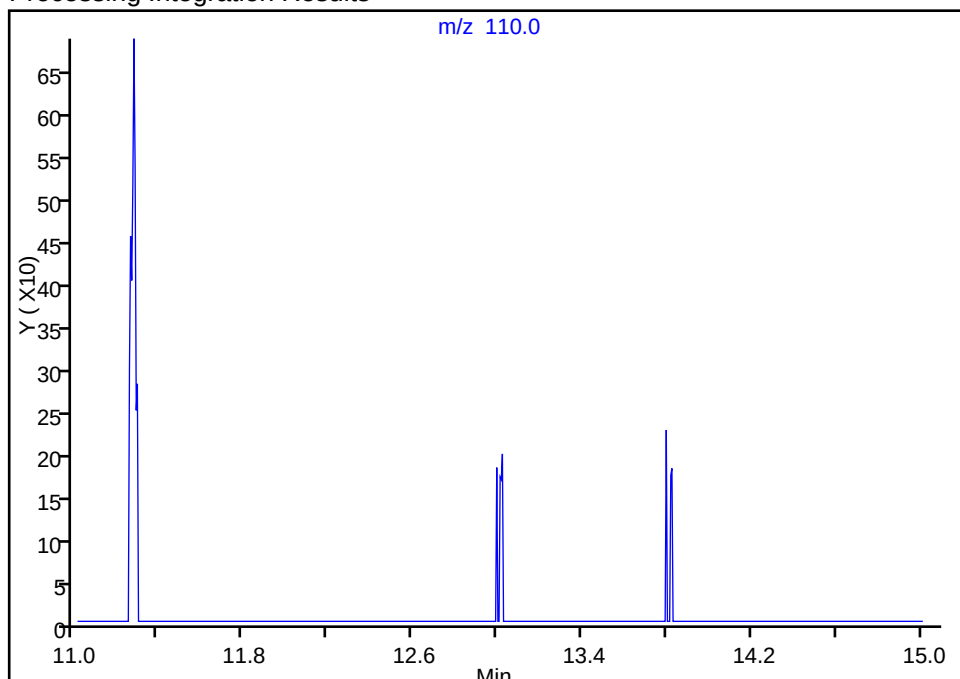
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

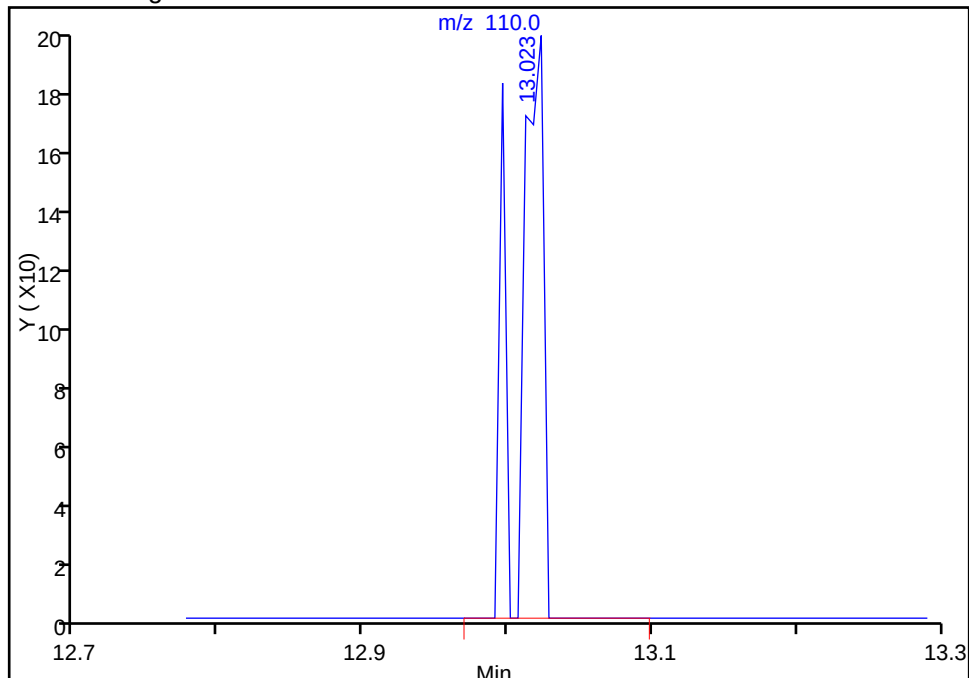
Not Detected
Expected RT: 13.01

Processing Integration Results



RT: 13.02
Area: 228
Amount: 0.005654
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

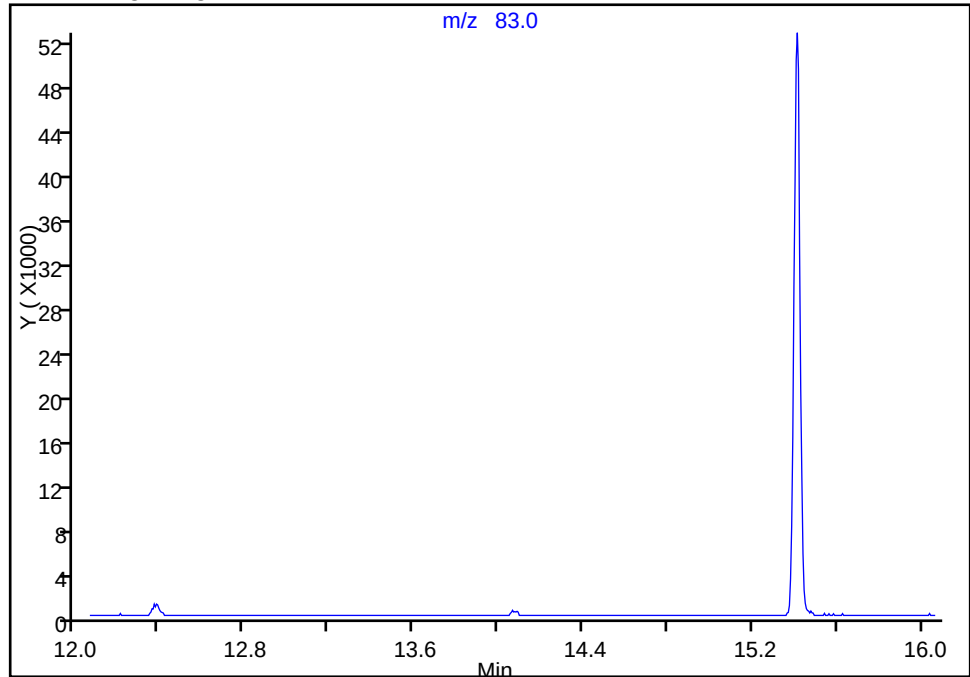
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

36 1,1,2-Trichloroethane, CAS: 79-00-5

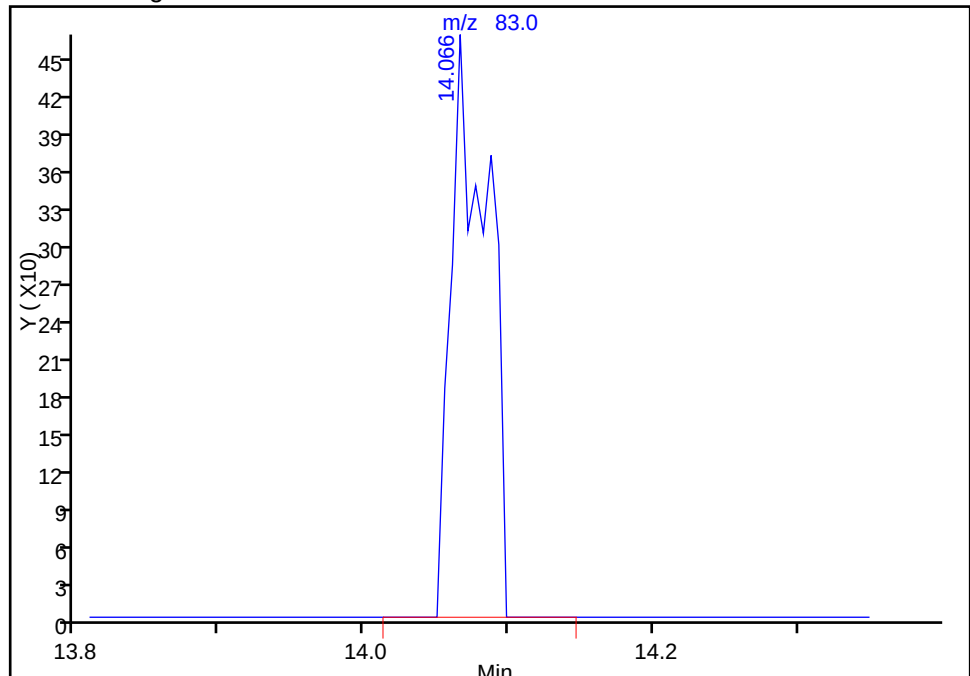
Not Detected
Expected RT: 14.07

Processing Integration Results



RT: 14.07
Area: 816
Amount: 0.005201
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#:

3

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

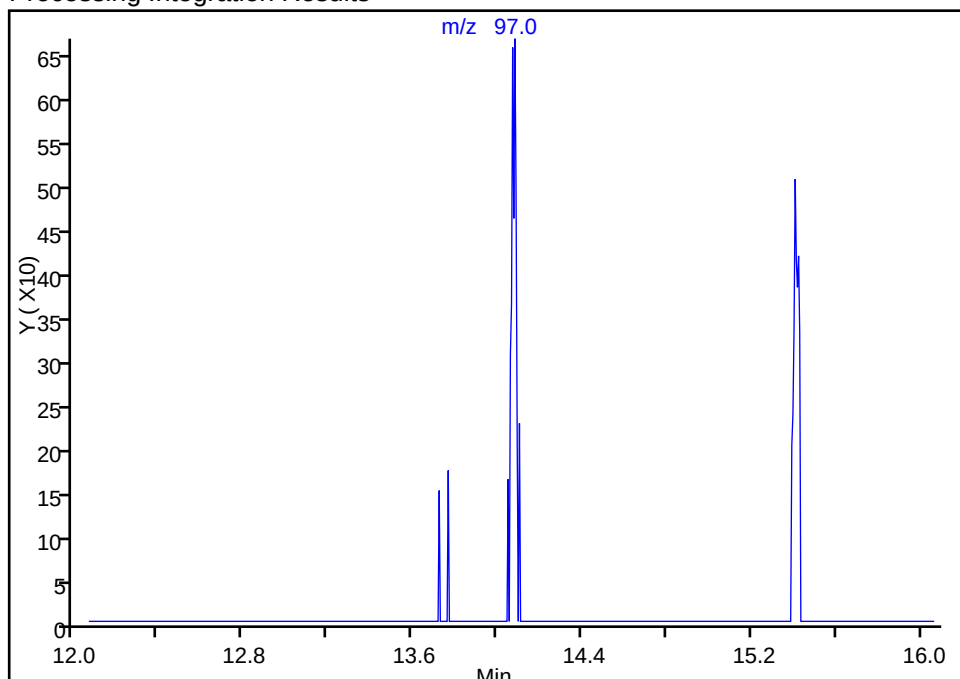
MS SCAN

36 1,1,2-Trichloroethane, CAS: 79-00-5

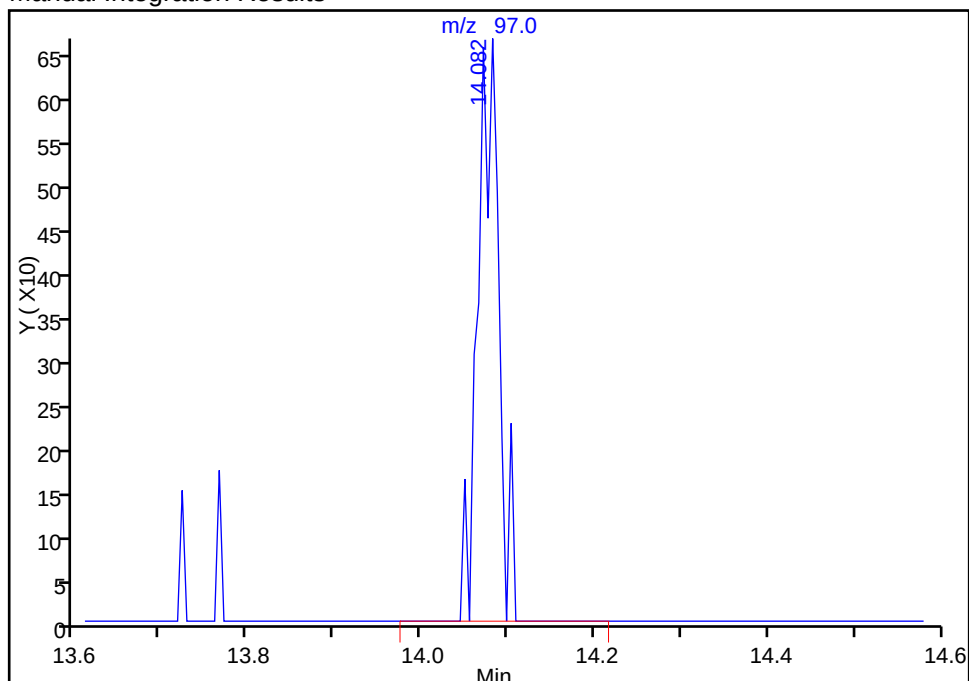
Not Detected

Expected RT: 14.07

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

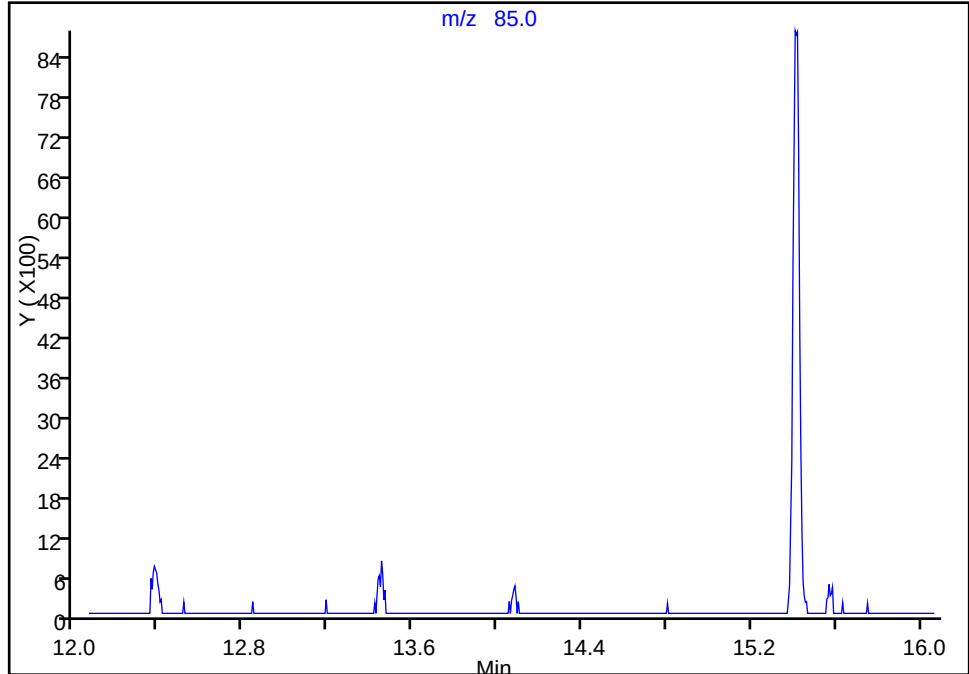
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

36 1,1,2-Trichloroethane, CAS: 79-00-5

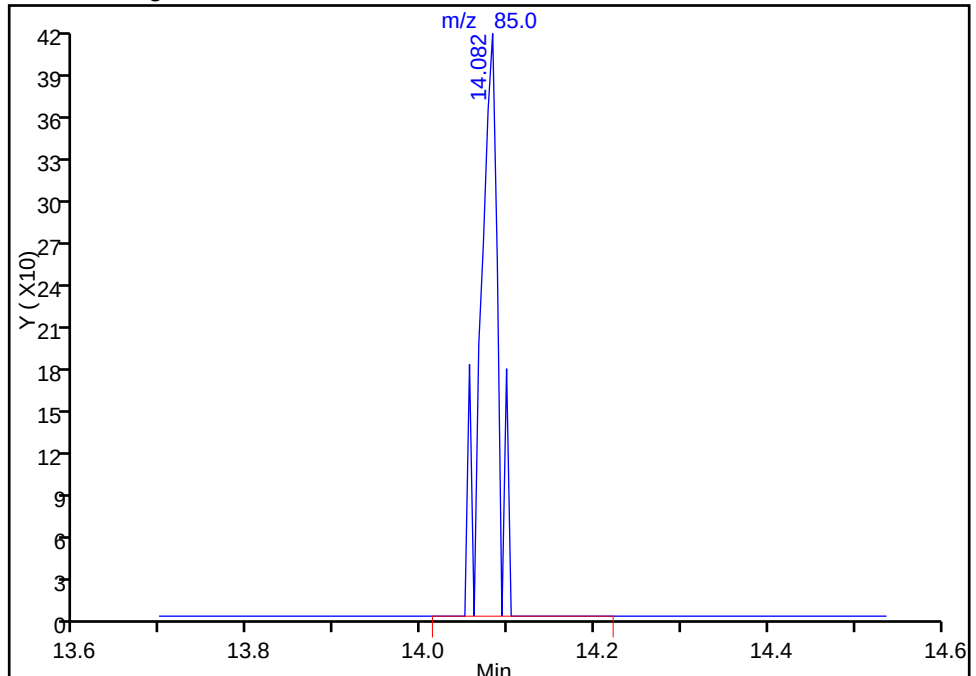
Not Detected
Expected RT: 14.07

Processing Integration Results



RT: 14.08
Area: 587
Amount: 0.005201
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

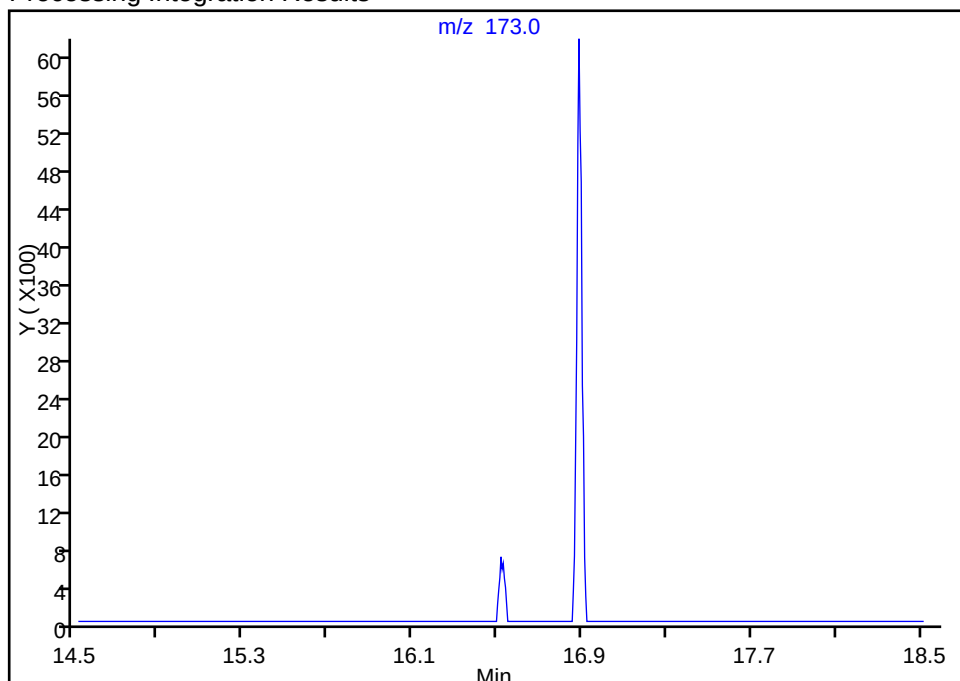
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Bromoform, CAS: 75-25-2

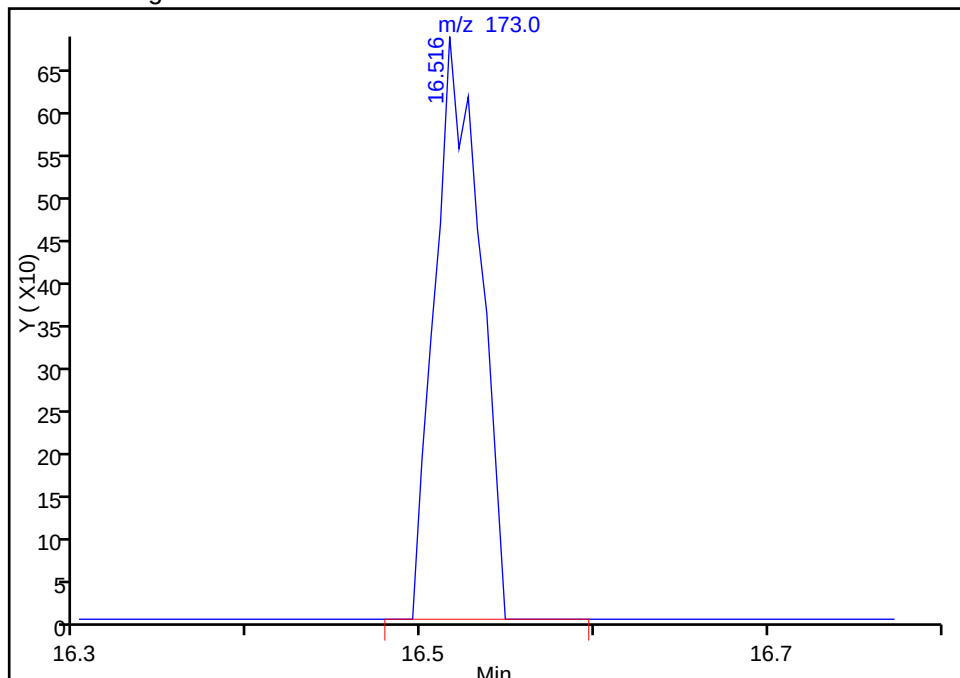
Not Detected
Expected RT: 16.52

Processing Integration Results



RT: 16.52
Area: 1234
Amount: 0.004908
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

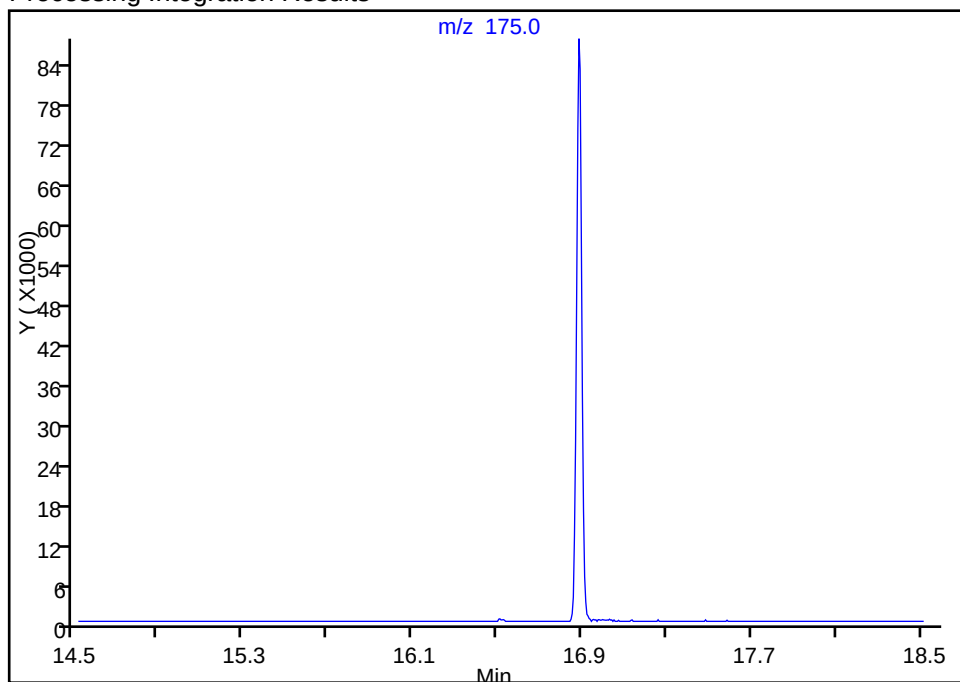
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Bromoform, CAS: 75-25-2

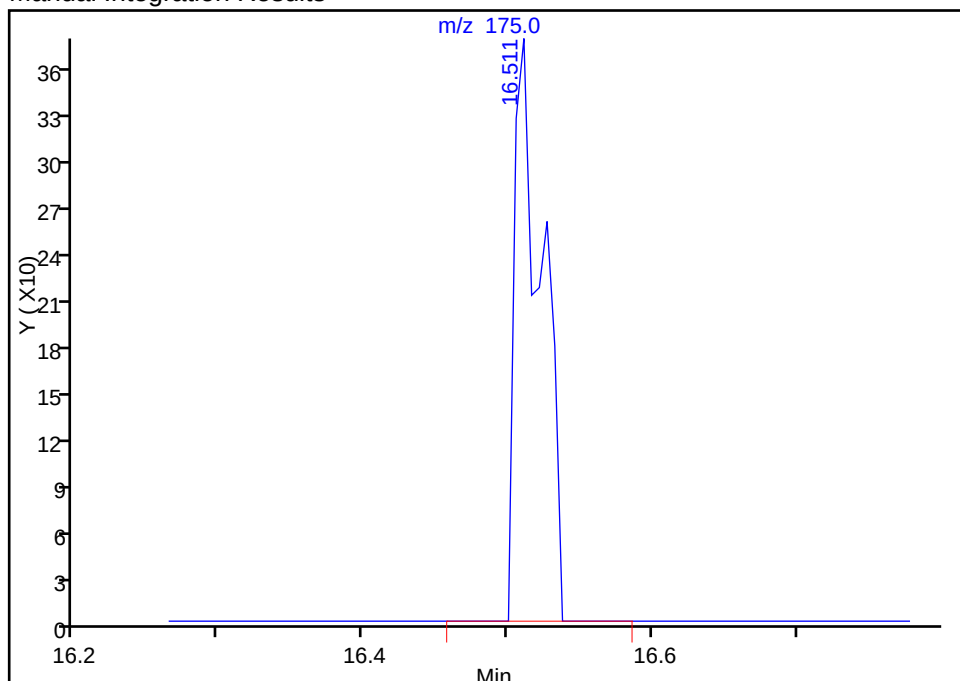
Not Detected
Expected RT: 16.52

Processing Integration Results



RT: 16.51
Area: 505
Amount: 0.004908
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

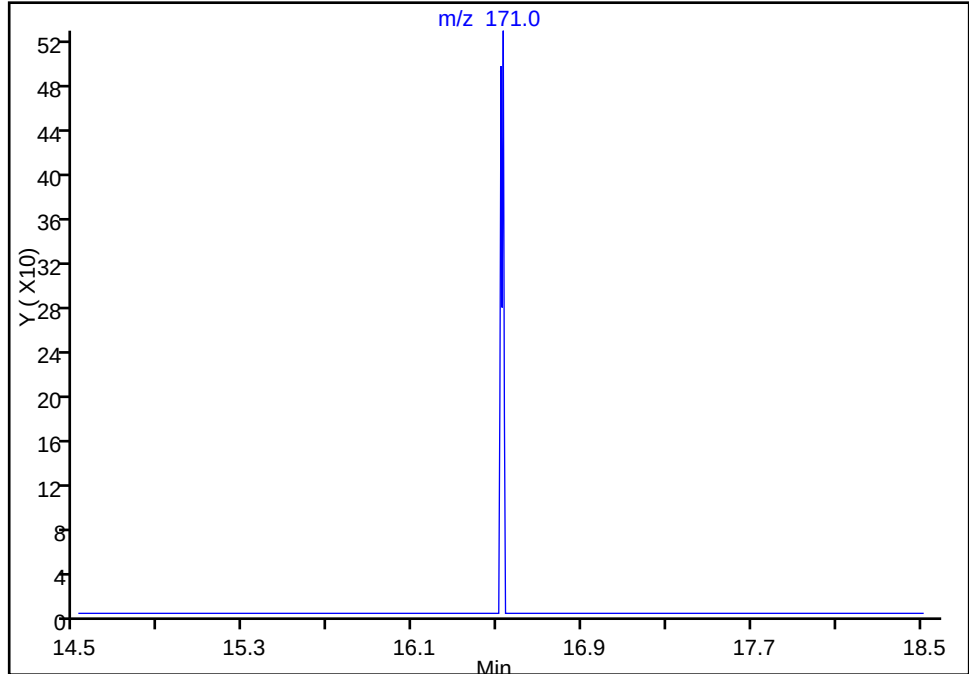
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Bromoform, CAS: 75-25-2

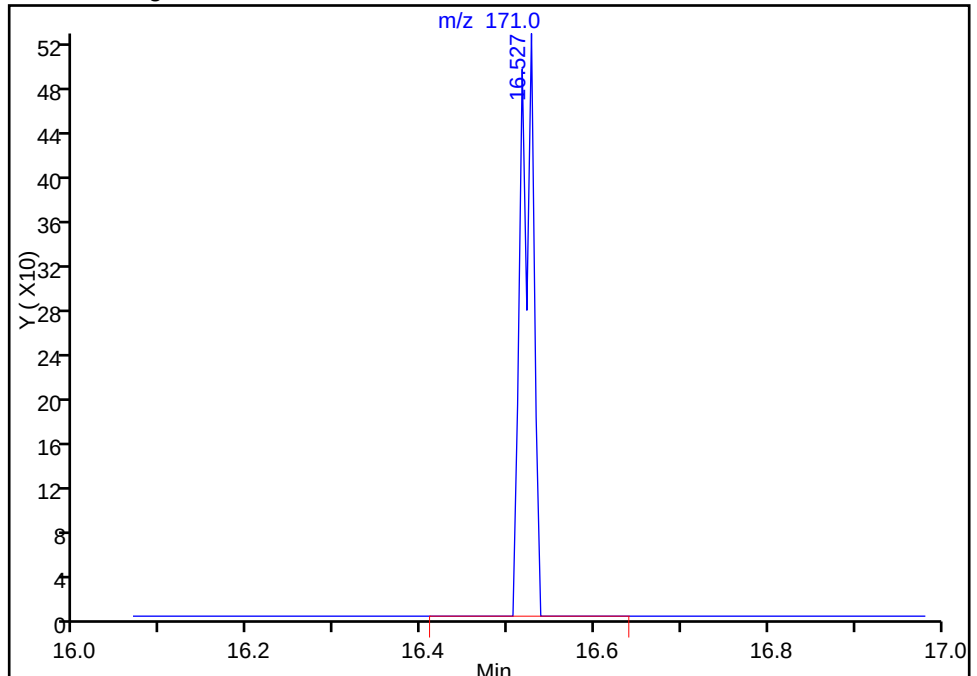
Not Detected
Expected RT: 16.52

Processing Integration Results



RT: 16.53
Area: 533
Amount: 0.004908
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

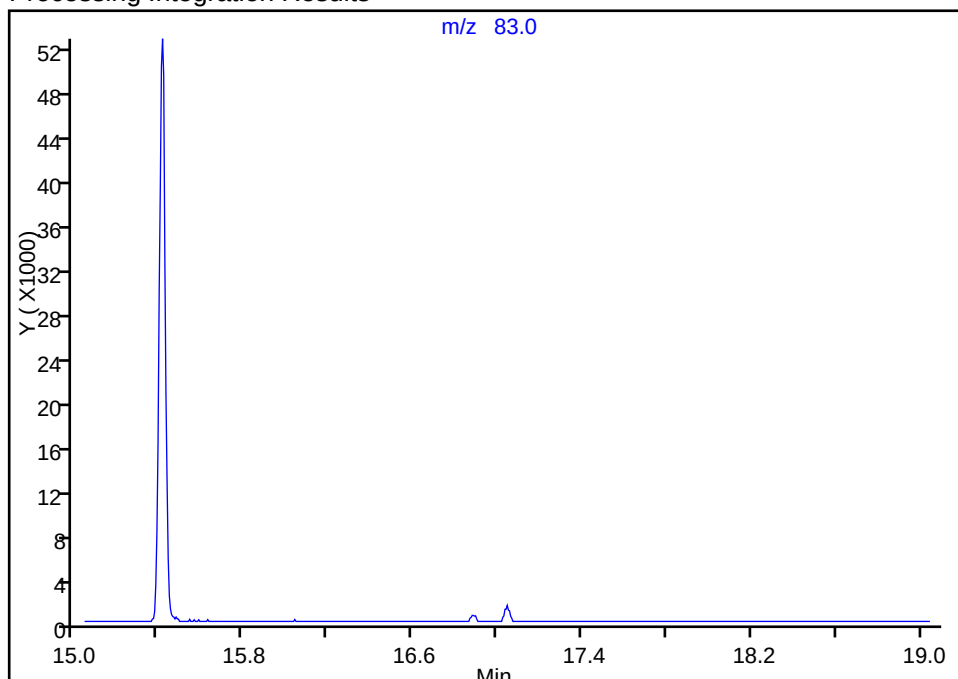
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

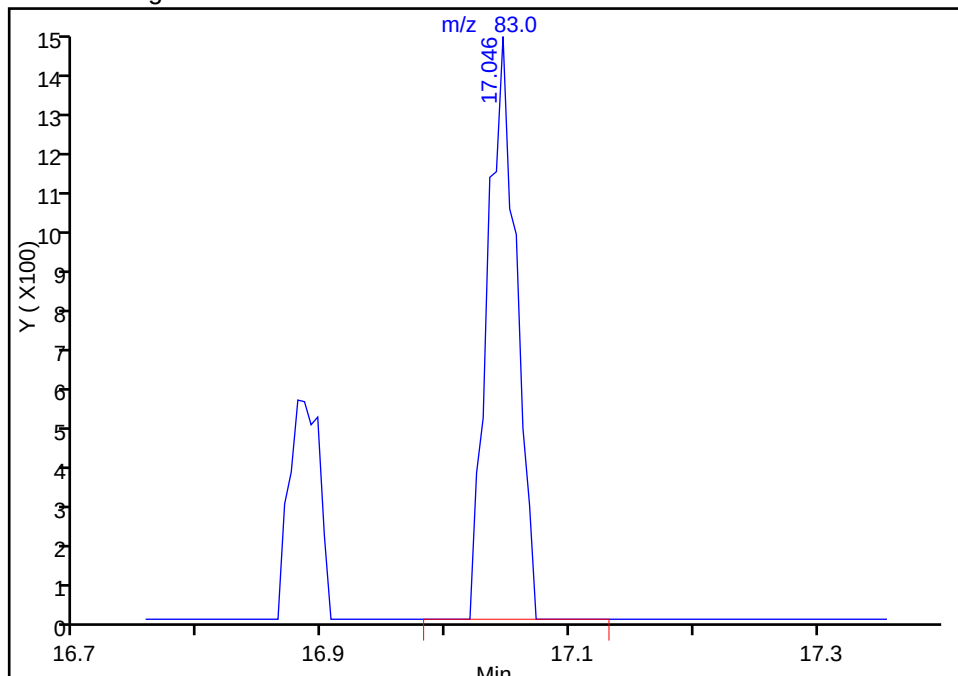
Not Detected
Expected RT: 17.05

Processing Integration Results



RT: 17.05
Area: 2319
Amount: 0.005617
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

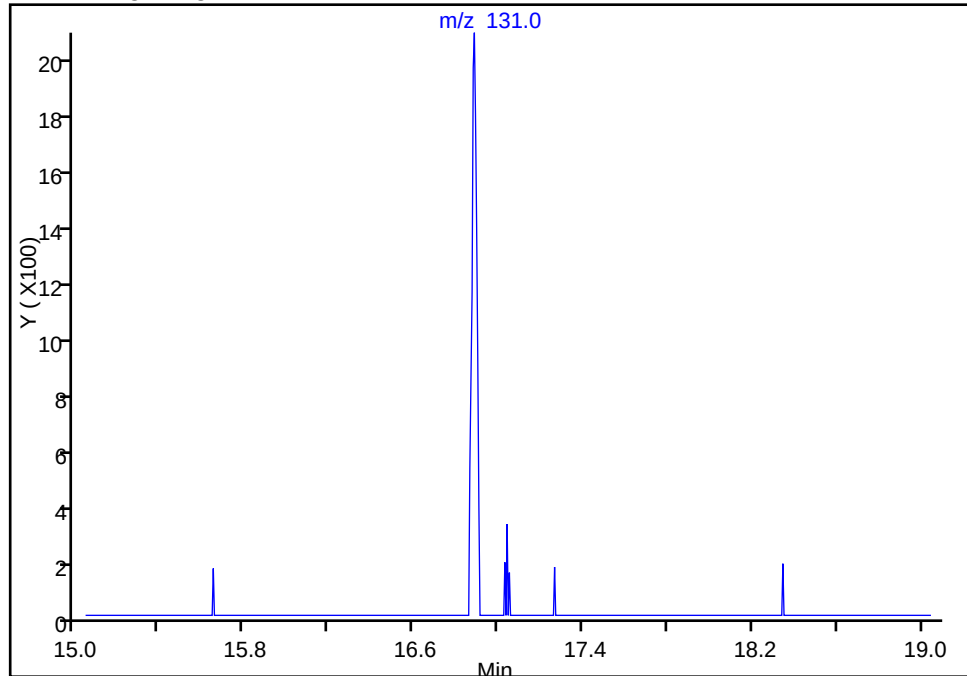
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D
Injection Date: 11-Jan-2016 18:19:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

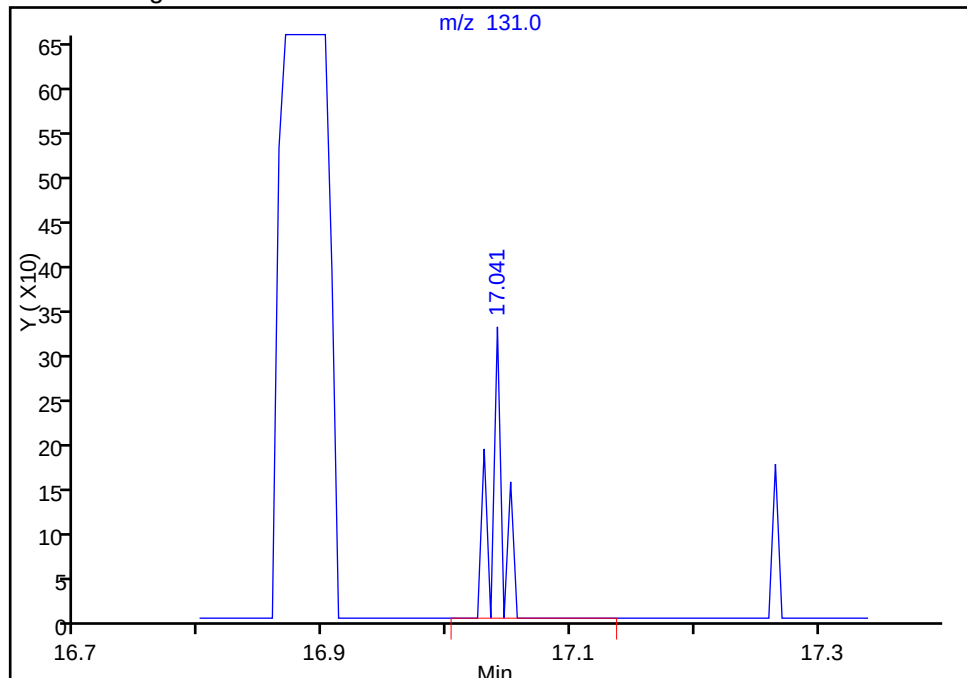
Not Detected
Expected RT: 17.05

Processing Integration Results



RT: 17.04
Area: 215
Amount: 0.005617
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_003.D

Injection Date: 11-Jan-2016 18:19:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

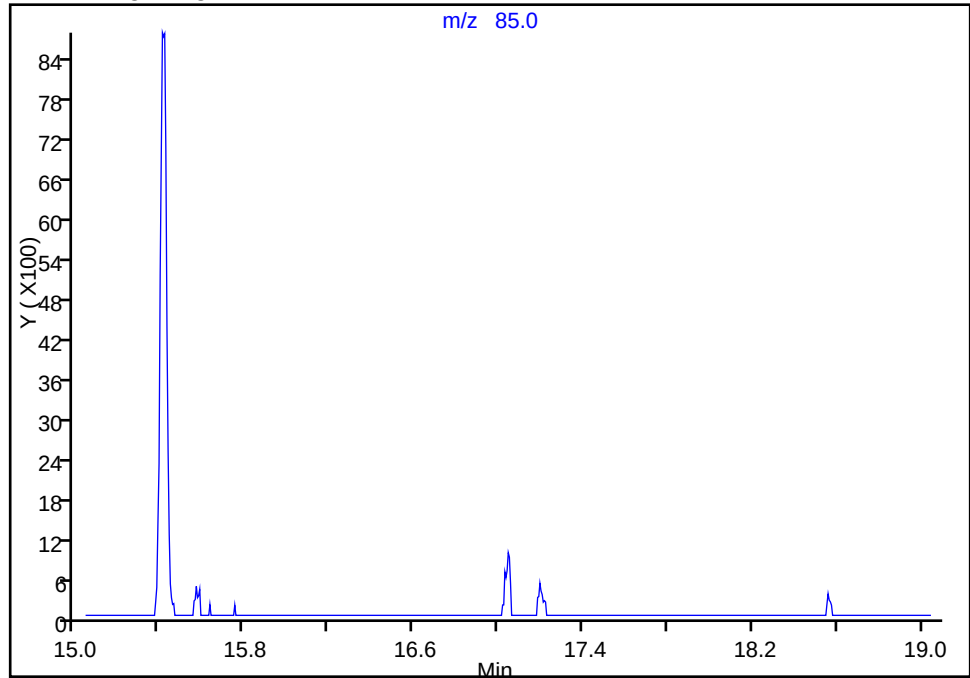
MS SCAN

47 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

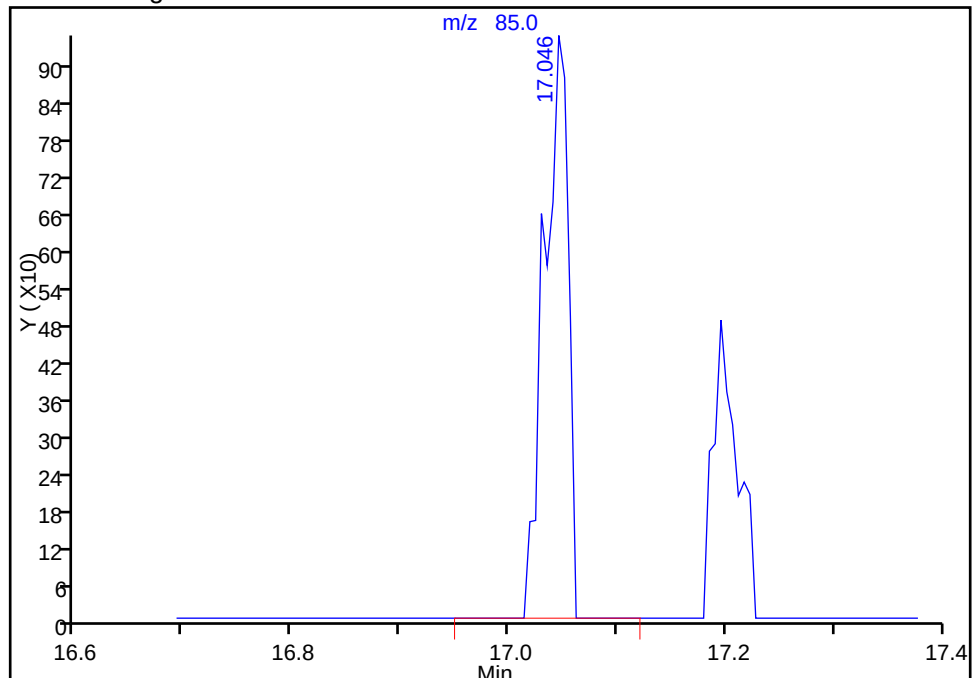
Not Detected

Expected RT: 17.05

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 07:59:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_004.D
 Lims ID: ic not used
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Jan-2016 19:17:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-004
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:25 Calib Date: 12-Jan-2016 10:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:01:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	99	7677	0.0201	0.0171	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.383	3.377	0.006	86	5809	0.0201	0.0170	
3 Chloromethane	50	3.506	3.500	0.006	64	2243	0.0201	0.0235	
4 Vinyl chloride	62	3.720	3.720	0.000	94	2061	0.0201	0.0159	
5 Butadiene	54	3.773	3.773	0.000	80	1597	0.0201	0.0171	
6 Bromomethane	94	4.356	4.367	-0.011	97	2529	0.0201	0.0168	
7 Chloroethane	64	4.570	4.554	0.016	10	975	0.0201	0.0158	
8 Vinyl bromide	106	4.923	4.934	-0.011	88	2610	0.0201	0.0161	
9 Trichlorofluoromethane	101	5.030	5.020	0.010	98	9040	0.0201	0.0183	
10 1,1,2-Trichloro-1,2,2-trif	101	6.148	6.149	-0.001	92	5662	0.0201	0.0176	
11 1,1-Dichloroethene	96	6.213	6.191	0.022	39	1843	0.0201	0.0151	
12 3-Chloro-1-propene	41	6.983	6.967	0.016	34	2711	0.0201	0.0177	
13 Methylene Chloride	49	7.272	7.261	0.011	92	9853	0.0201	0.0626	
14 Methyl tert-butyl ether	73	7.689	7.711	-0.022	96	5603	0.0201	0.0166	
15 trans-1,2-Dichloroethene	61	7.705	7.711	-0.006	85	2694	0.0201	0.0153	
16 Hexane	57	8.064	8.069	-0.005	88	3042	0.0201	0.0163	
17 1,1-Dichloroethane	63	8.486	8.492	-0.006	97	3603	0.0201	0.0164	
S 18 1,2-Dichloroethene, Total	61				0		0.0402	0.0320	
19 cis-1,2-Dichloroethene	96	9.438	9.433	0.005	91	2120	0.0201	0.0167	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	81	605045	2.00	2.00	
21 Chloroform	83	9.915	9.904	0.011	58	4992	0.0201	0.0171	
22 1,1,1-Trichloroethane	97	10.150	10.145	0.005	78	5919	0.0201	0.0180	
23 Cyclohexane	84	10.166	10.172	-0.006	50	2949	0.0201	0.0181	
24 Carbon tetrachloride	117	10.369	10.364	0.005	95	5907	0.0201	0.0166	
25 Isooctane	57	10.674	10.685	-0.011	97	8980	0.0201	0.0169	
26 Benzene	78	10.706	10.690	0.016	97	7321	0.0201	0.0196	
27 1,2-Dichloroethane	62	10.808	10.803	0.005	42	3093	0.0201	0.0165	M
28 n-Heptane	43	10.942	10.937	0.005	89	3845	0.0201	0.0186	
* 29 1,4-Difluorobenzene	114	11.273	11.274	-0.001	94	2318734	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	54	2989	0.0201	0.0178	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63		12.001				ND	ND	
32 Dichlorobromomethane	83	12.381	12.381	0.000	96	4435	0.0201	0.0163	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	50	2981	0.0201	0.0172	
34 Toluene	92	13.445	13.446	-0.001	98	5132	0.0201	0.0179	
35 trans-1,3-Dichloropropene	75	13.815	13.815	0.000	46	2997	0.0201	0.0172	
36 1,1,2-Trichloroethane	83	14.077	14.066	0.011	94	1789	0.0201	0.0146	
37 Tetrachloroethene	166	14.205	14.216	-0.011	93	4542	0.0201	0.0168	
38 Chlorodibromomethane	129	14.628	14.628	0.000	92	3420	0.0201	0.0133	
39 Ethylene Dibromide	107	14.836	14.831	0.005	94	3273	0.0201	0.0147	
* 40 Chlorobenzene-d5	117	15.414	15.420	-0.006	85	2683590	2.00	2.00	
41 Chlorobenzene	112	15.457	15.457	0.000	83	6092	0.0201	0.0156	
43 m-Xylene & p-Xylene	106	15.682	15.687	-0.005	0	7531	0.0402	0.0308	
42 Ethylbenzene	91	15.532	15.532	0.000	98	9092	0.0201	0.0152	
S 44 Xylenes, Total	106				0		0.0603	0.0457	
45 o-Xylene	106	16.206	16.206	0.000	97	3403	0.0201	0.0149	
46 Bromoform	173	16.516	16.516	0.000	97	2565	0.0201	0.0129	
47 1,1,2,2-Tetrachloroethane	83	17.035	17.046	-0.011	96	4867	0.0201	0.0149	
48 4-Ethyltoluene	105	17.238	17.249	-0.011	97	9067	0.0201	0.0144	
49 1,3,5-Trimethylbenzene	105	17.308	17.313	-0.005	92	8294	0.0201	0.0137	
50 1,2,4-Trimethylbenzene	105	17.752	17.752	0.000	97	7309	0.0201	0.0120	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATT15LLCAL1w_00061

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_004.D

Injection Date: 11-Jan-2016 19:17:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic not used

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

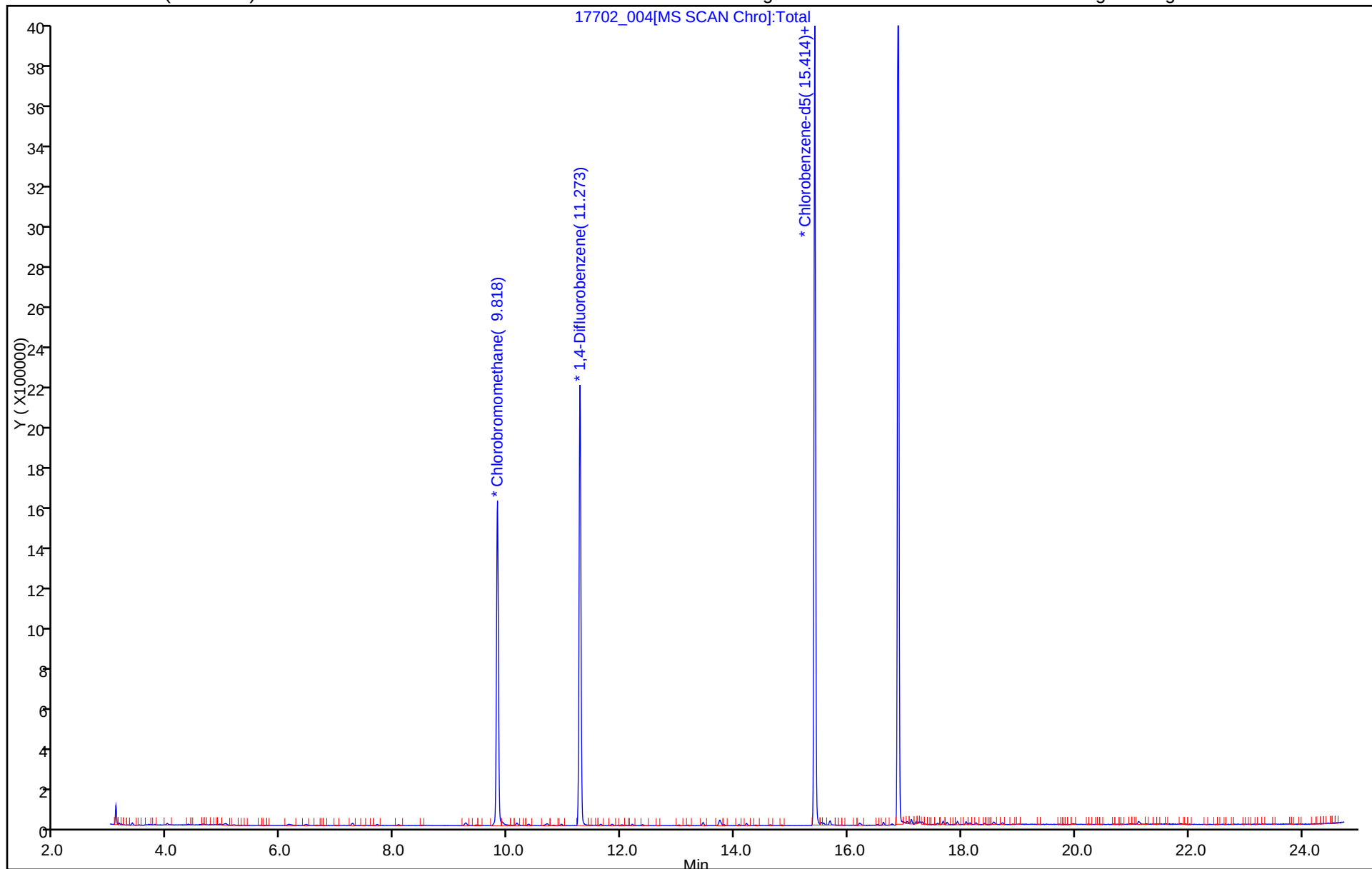
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



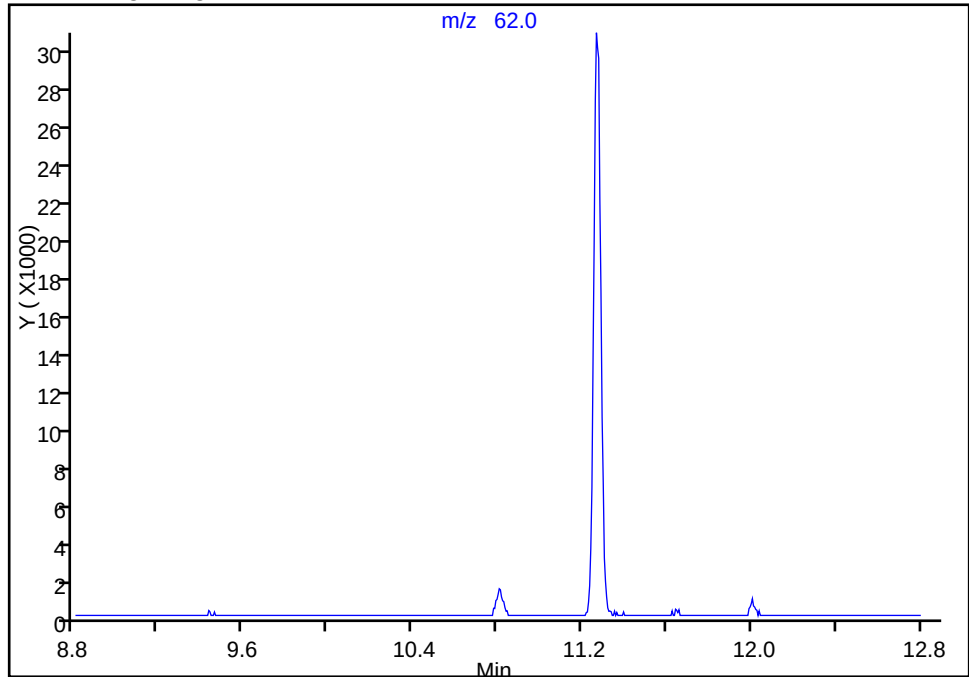
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_004.D
Injection Date: 11-Jan-2016 19:17:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

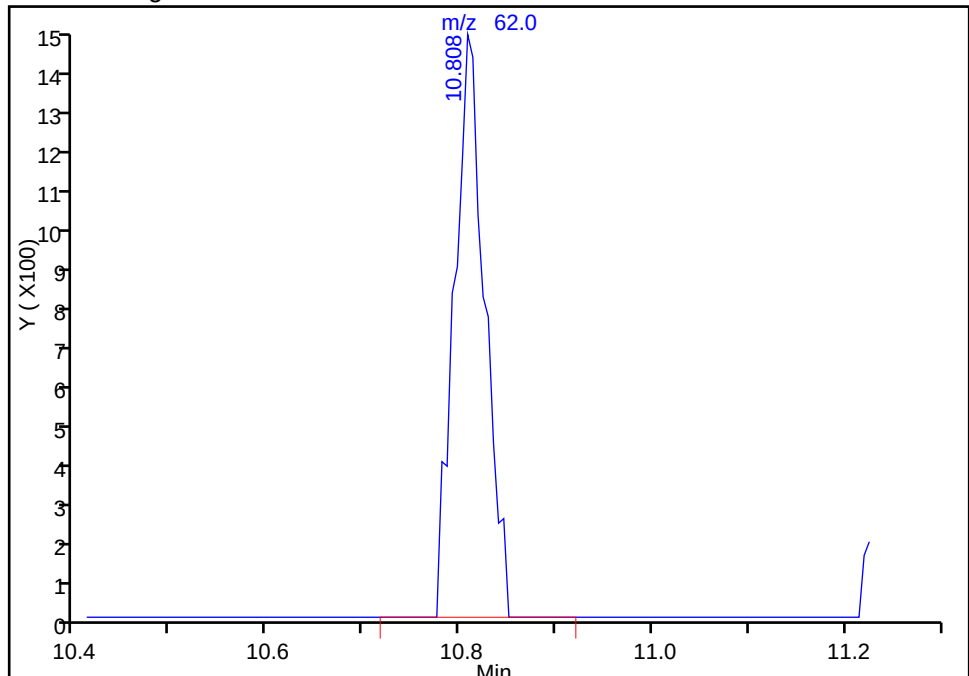
27 1,2-Dichloroethane, CAS: 107-06-2

Not Detected
Expected RT: 10.80

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:01:10
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_004.D

Injection Date: 11-Jan-2016 19:17:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

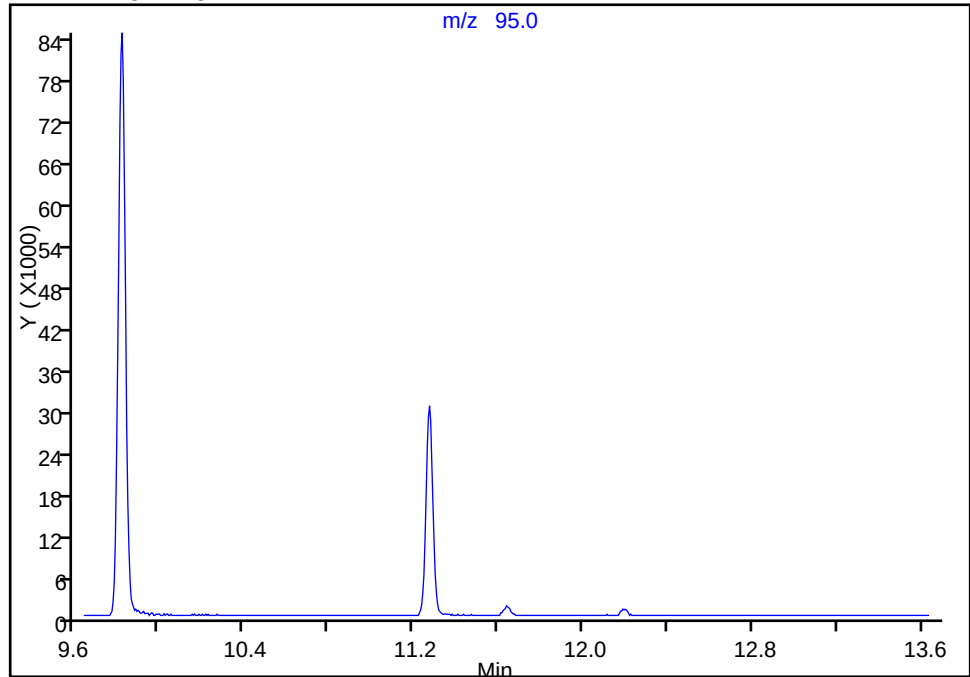
Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

Not Detected

Expected RT: 11.64

Processing Integration Results



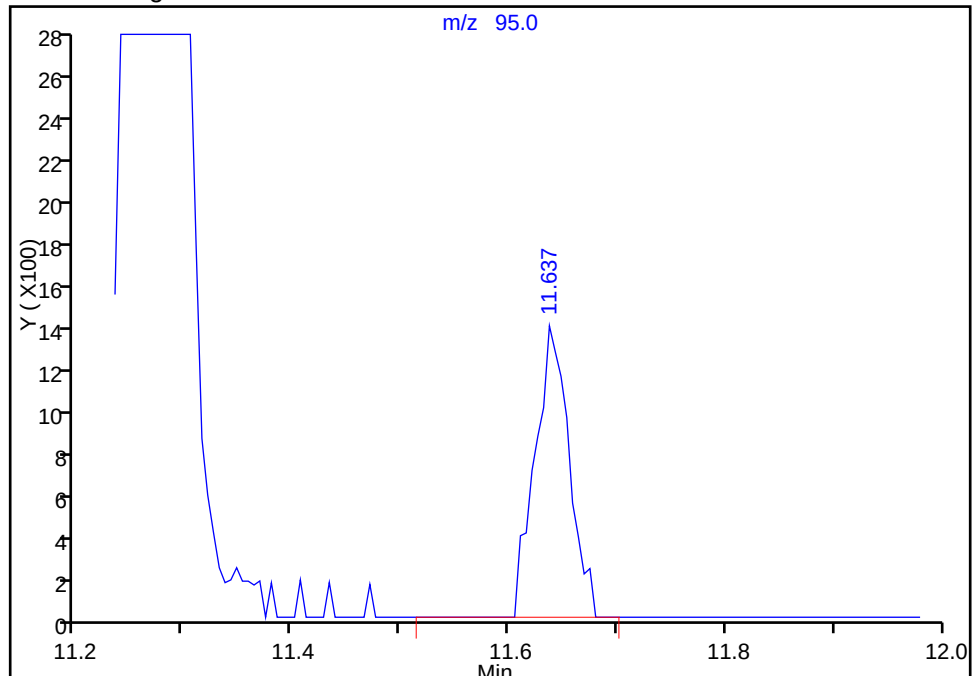
RT: 11.64

Area: 2989

Amount: 0.017835

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:01:10

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_004.D

Injection Date: 11-Jan-2016 19:17:30

Instrument ID: CHE.i

Lims ID: ic not used

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

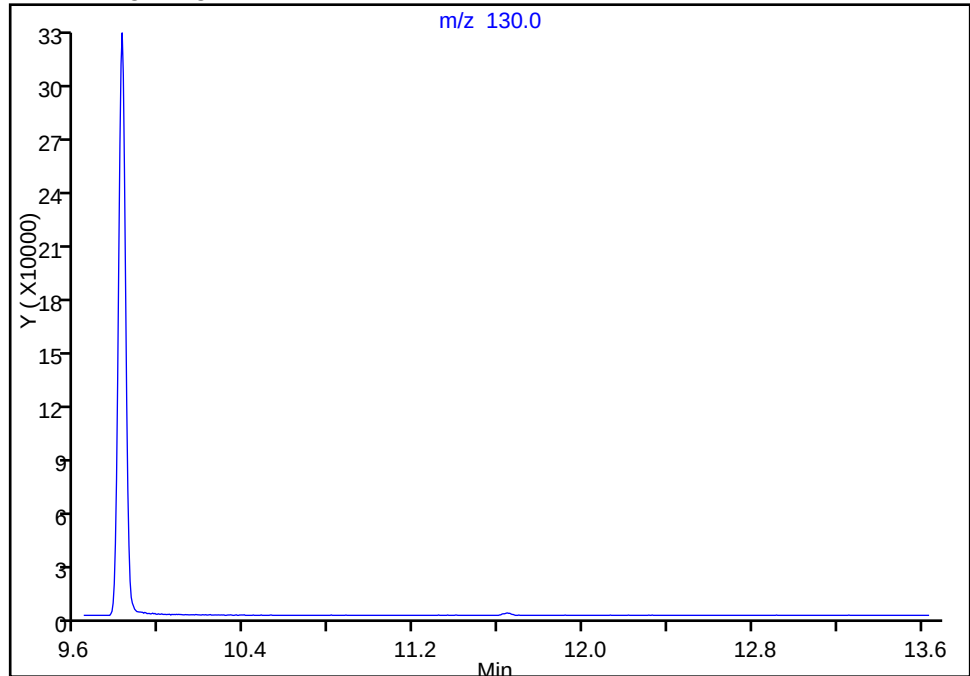
Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

Not Detected

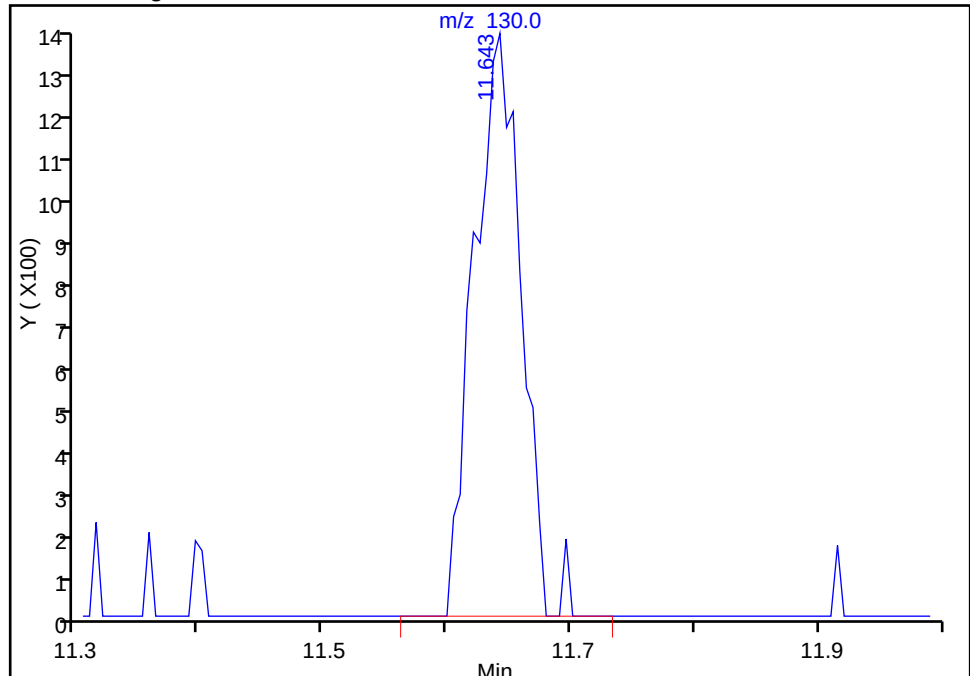
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 3538
Amount: 0.017835
Amount Units: ppb v/v



Reviewer: desjardinsb, 12-Jan-2016 08:01:10

Audit Action: Manually Integrated

Audit Reason: Baseline

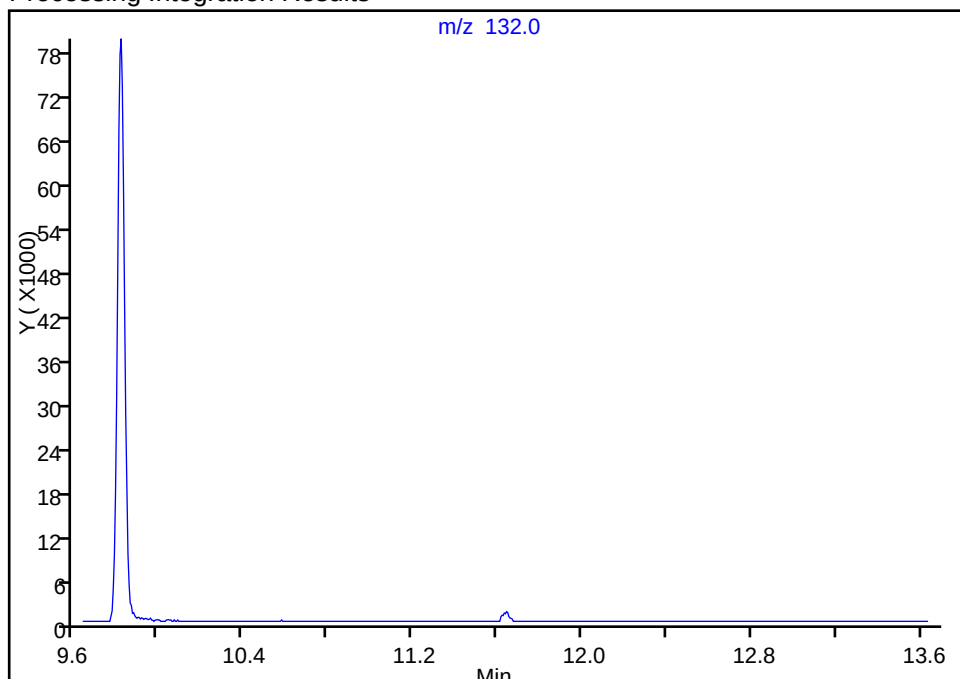
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_004.D
Injection Date: 11-Jan-2016 19:17:30 Instrument ID: CHE.i
Lims ID: ic not used
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

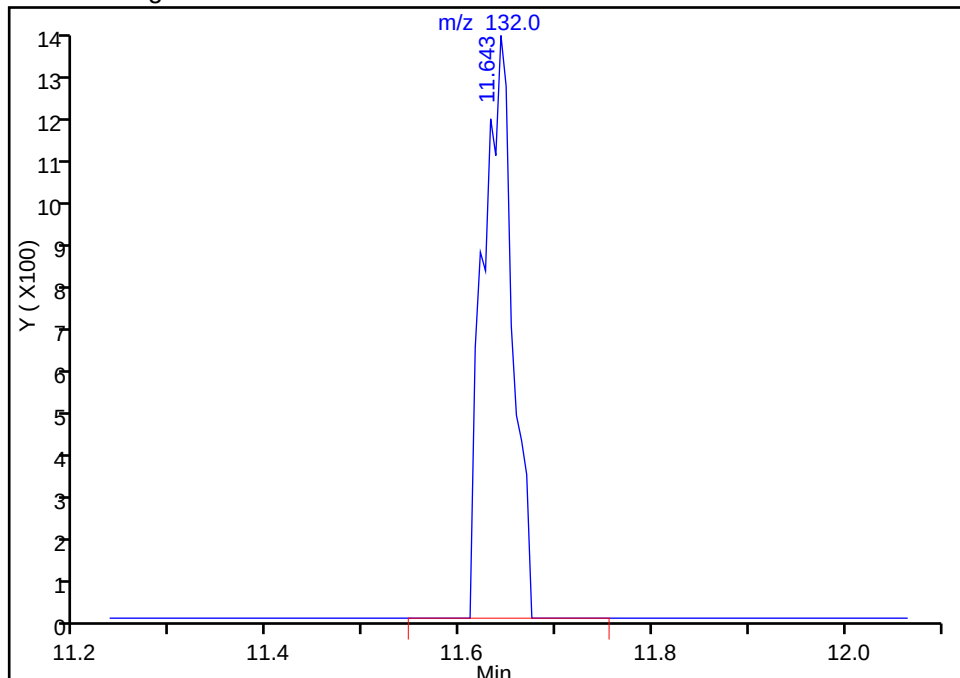
Not Detected
Expected RT: 11.64

Processing Integration Results



RT: 11.64
Area: 2809
Amount: 0.017835
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:01:10
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Jan-2016 20:15:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-005
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:26 Calib Date: 12-Jan-2016 10:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:02:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	99	14039	0.0402	0.0349	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.377	0.000	85	10661	0.0402	0.0349	
3 Chloromethane	50	3.500	3.500	0.000	97	4152	0.0402	0.0468	
4 Vinyl chloride	62	3.704	3.720	-0.016	72	3797	0.0402	0.0324	
5 Butadiene	54	3.768	3.773	-0.005	96	2191	0.0402	0.0272	
6 Bromomethane	94	4.356	4.367	-0.011	96	4368	0.0402	0.0329	
7 Chloroethane	64	4.565	4.554	0.011	94	1876	0.0402	0.0339	
8 Vinyl bromide	106	4.929	4.934	-0.005	93	4880	0.0402	0.0335	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	98	16409	0.0402	0.0365	
10 1,1,2-Trichloro-1,2,2-trif	101	6.138	6.149	-0.011	93	10296	0.0402	0.0361	
11 1,1-Dichloroethene	96	6.186	6.191	-0.005	93	3951	0.0402	0.0357	
12 3-Chloro-1-propene	41	6.972	6.967	0.005	95	5495	0.0402	0.0399	
13 Methylene Chloride	49	7.256	7.261	-0.005	94	11080	0.0402	0.0758	
14 Methyl tert-butyl ether	73	7.668	7.711	-0.043	97	10597	0.0402	0.0354	
15 trans-1,2-Dichloroethene	61	7.695	7.711	-0.016	96	5899	0.0402	0.0370	
16 Hexane	57	8.069	8.069	0.000	89	5722	0.0402	0.0345	
17 1,1-Dichloroethane	63	8.486	8.492	-0.006	98	7082	0.0402	0.0359	
S 18 1,2-Dichloroethene, Total	61				0		0.0804	0.0743	
19 cis-1,2-Dichloroethene	96	9.444	9.433	0.011	92	4249	0.0402	0.0373	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	82	562273	2.00	2.00	
21 Chloroform	83	9.909	9.904	0.005	92	9384	0.0402	0.0360	
22 1,1,1-Trichloroethane	97	10.156	10.145	0.011	92	10691	0.0402	0.0364	
23 Cyclohexane	84	10.161	10.172	-0.011	68	5375	0.0402	0.0366	
24 Carbon tetrachloride	117	10.359	10.364	-0.005	96	11402	0.0402	0.0356	
25 Isooctane	57	10.674	10.685	-0.011	97	17805	0.0402	0.0371	
26 Benzene	78	10.701	10.690	0.011	87	13594	0.0402	0.0403	
27 1,2-Dichloroethane	62	10.808	10.803	0.005	98	5856	0.0402	0.0347	
28 n-Heptane	43	10.942	10.937	0.005	92	7304	0.0402	0.0393	
* 29 1,4-Difluorobenzene	114	11.274	11.274	0.000	94	2159844	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	78	5573	0.0402	0.0370	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.007	12.001	0.006	69	4297	0.0402	0.0363	M
32 Dichlorobromomethane	83	12.370	12.381	-0.011	99	8437	0.0402	0.0347	
33 cis-1,3-Dichloropropene	75	13.023	13.012	0.011	93	6132	0.0402	0.0389	
34 Toluene	92	13.435	13.446	-0.011	91	8864	0.0402	0.0417	
35 trans-1,3-Dichloropropene	75	13.815	13.815	0.000	96	6352	0.0402	0.0405	
36 1,1,2-Trichloroethane	83	14.082	14.066	0.016	96	4408	0.0402	0.0465	
37 Tetrachloroethene	166	14.205	14.216	-0.011	93	8665	0.0402	0.0416	
38 Chlorodibromomethane	129	14.633	14.628	0.005	97	7789	0.0402	0.0396	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	6486	0.0402	0.0384	
* 40 Chlorobenzene-d5	117	15.414	15.420	-0.006	86	2078921	2.00	2.00	
41 Chlorobenzene	112	15.452	15.457	-0.005	95	11953	0.0402	0.0401	
42 Ethylbenzene	91	15.532	15.532	0.000	96	19128	0.0402	0.0422	
43 m-Xylene & p-Xylene	106	15.676	15.687	-0.011	0	15195	0.0804	0.0818	
S 44 Xylenes, Total	106				0		0.1206	0.1235	
45 o-Xylene	106	16.206	16.206	0.000	98	7210	0.0402	0.0417	
46 Bromoform	173	16.516	16.516	0.000	95	6122	0.0402	0.0400	
47 1,1,2,2-Tetrachloroethane	83	17.046	17.046	0.000	98	9712	0.0402	0.0392	
48 4-Ethyltoluene	105	17.244	17.249	-0.005	97	18946	0.0402	0.0397	
49 1,3,5-Trimethylbenzene	105	17.308	17.313	-0.005	91	16873	0.0402	0.0369	
50 1,2,4-Trimethylbenzene	105	17.747	17.752	-0.005	96	15671	0.0402	0.0336	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATT15LLCAL1w_00061

Amount Added: 400.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D

Injection Date: 11-Jan-2016 20:15:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

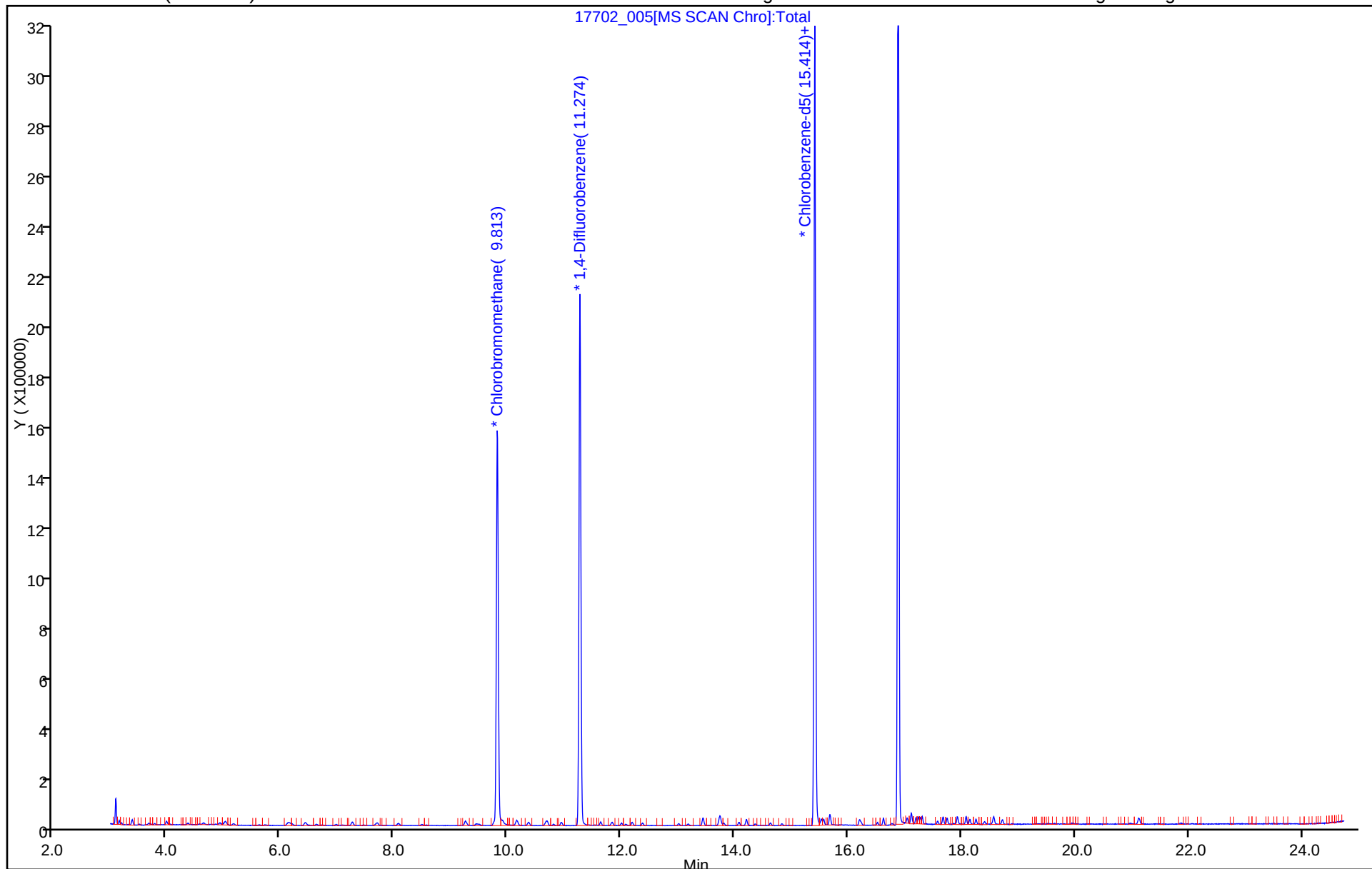
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D

Injection Date: 11-Jan-2016 20:15:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

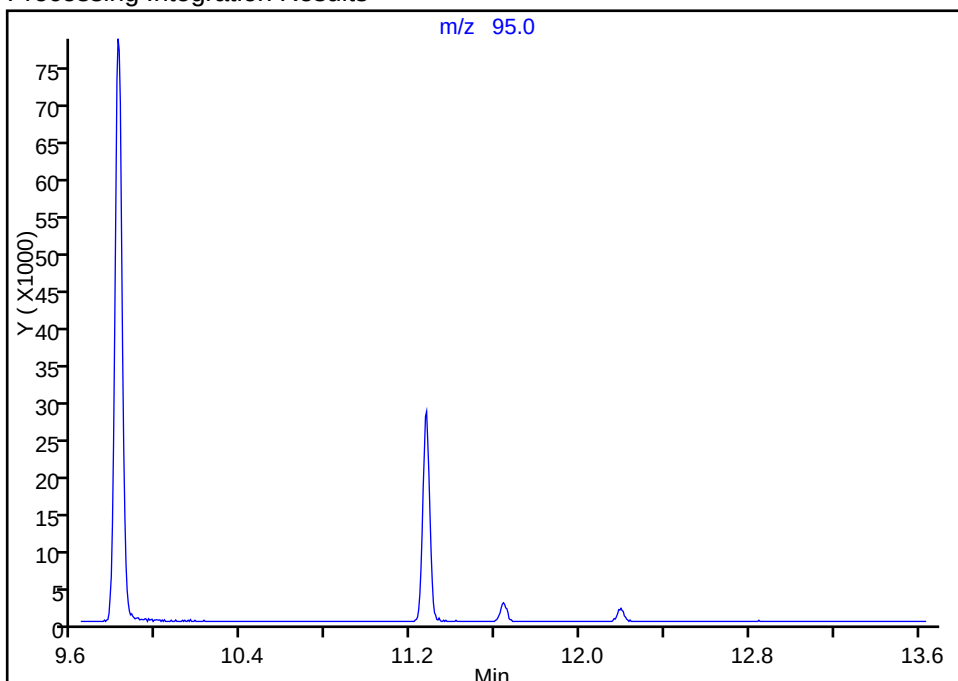
Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

Not Detected

Expected RT: 11.64

Processing Integration Results



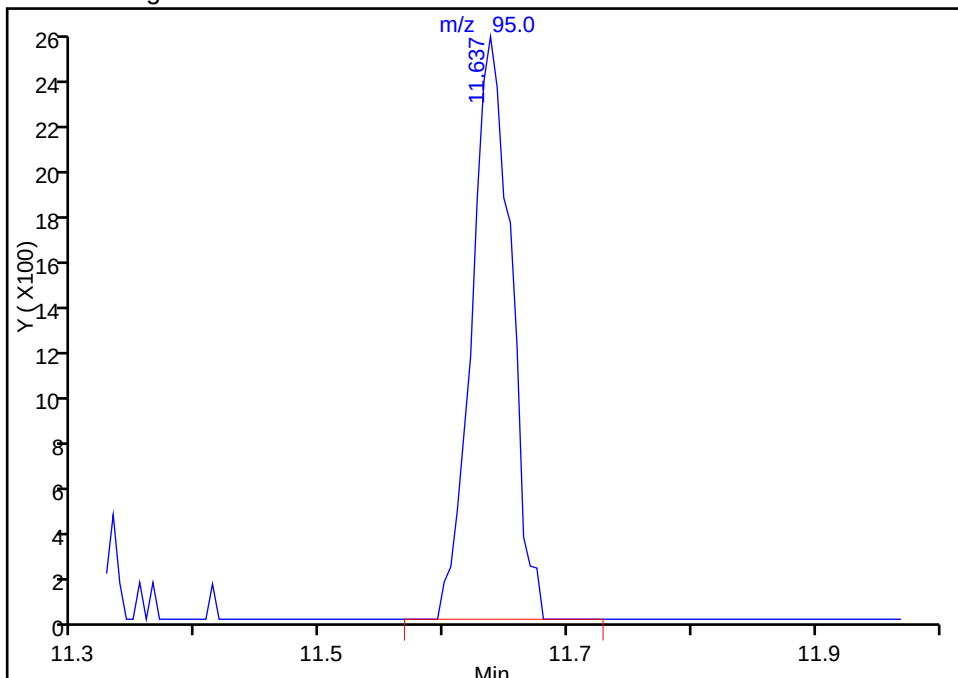
RT: 11.64

Area: 5573

Amount: 0.036966

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:02:11

Audit Action: Manually Integrated

Audit Reason: Baseline

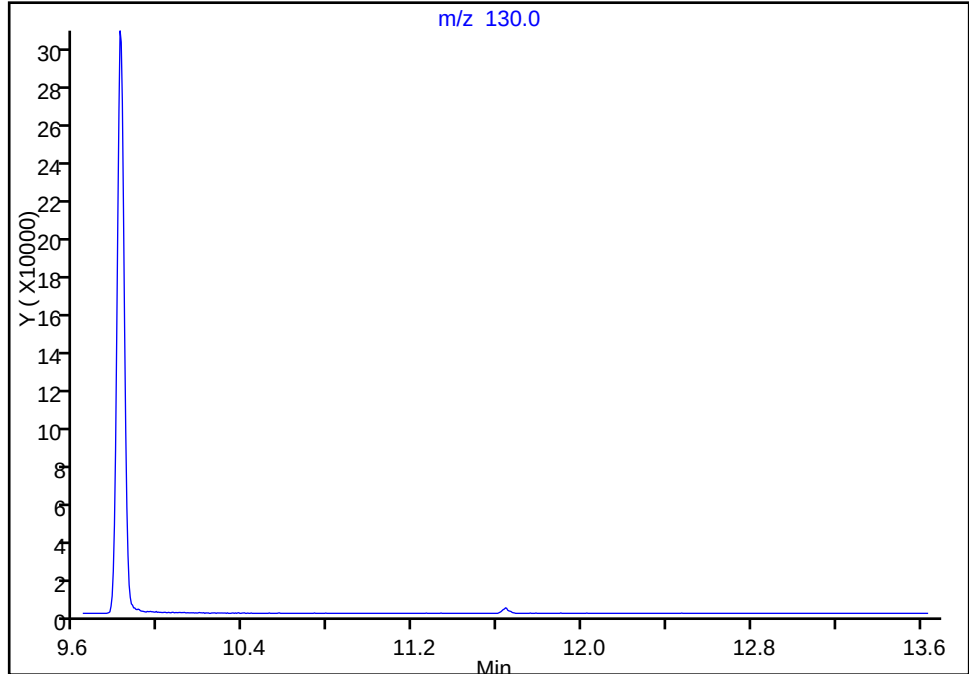
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D
Injection Date: 11-Jan-2016 20:15:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

30 Trichloroethene, CAS: 79-01-6

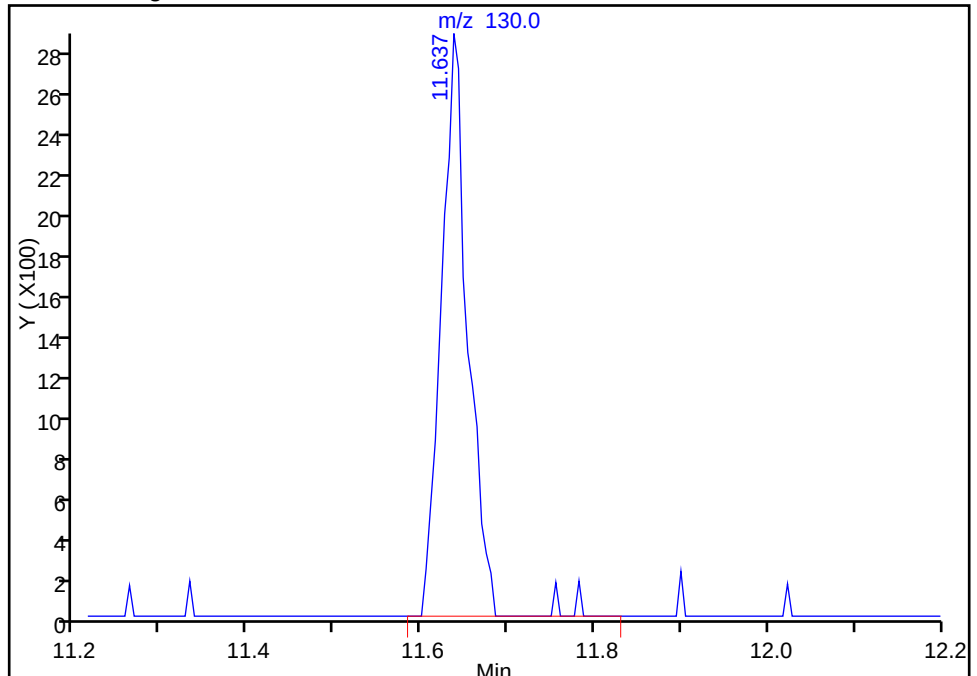
Not Detected
Expected RT: 11.64

Processing Integration Results



RT: 11.64
Area: 6220
Amount: 0.036966
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:02:11
Audit Action: Manually Integrated
Audit Reason: Baseline

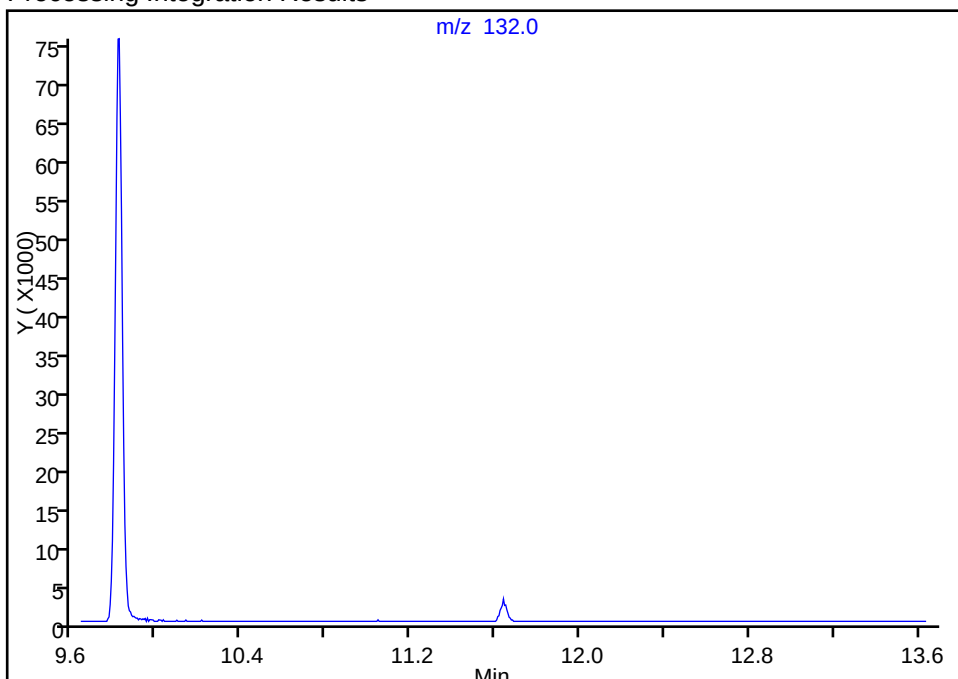
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D
Injection Date: 11-Jan-2016 20:15:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

30 Trichloroethene, CAS: 79-01-6

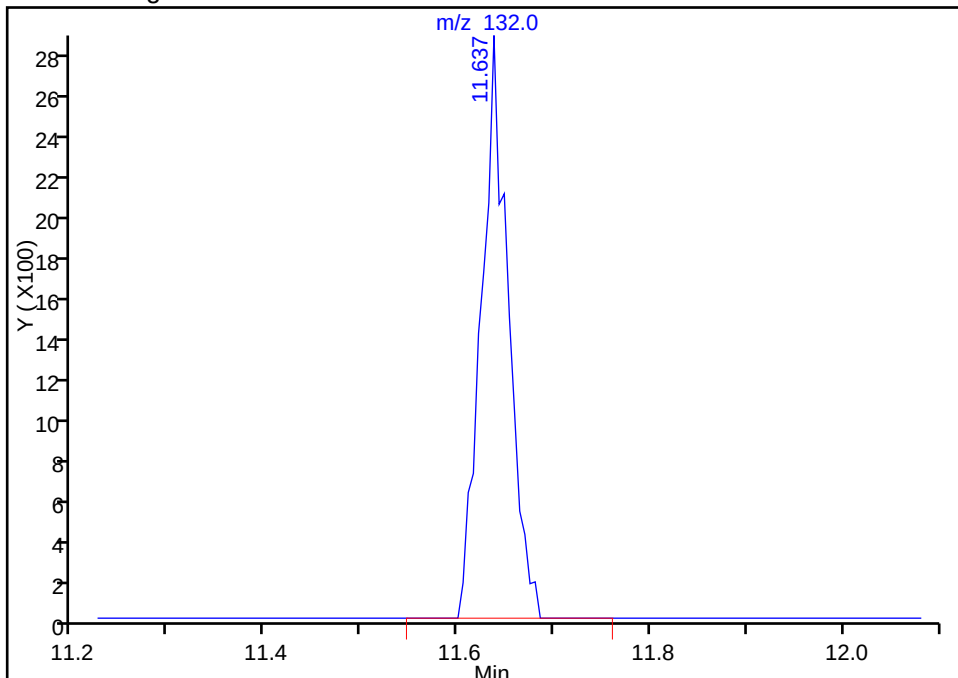
Not Detected
Expected RT: 11.64

Processing Integration Results



RT: 11.64
Area: 5637
Amount: 0.036966
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:02:11
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D

Injection Date: 11-Jan-2016 20:15:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

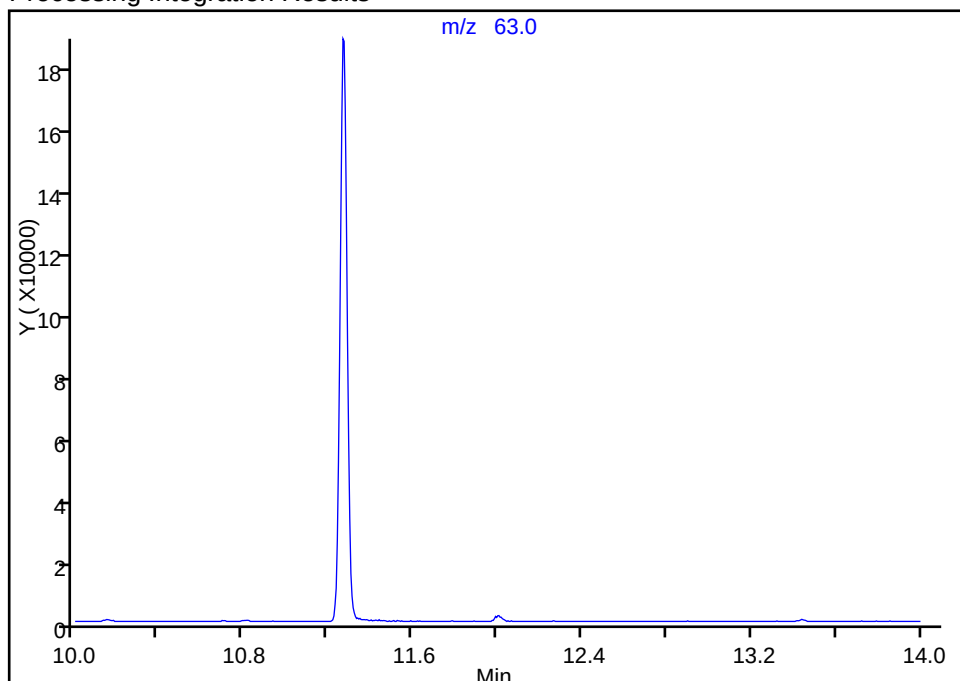
Detector: MS SCAN

31 1,2-Dichloropropane, CAS: 78-87-5

Not Detected

Expected RT: 12.00

Processing Integration Results



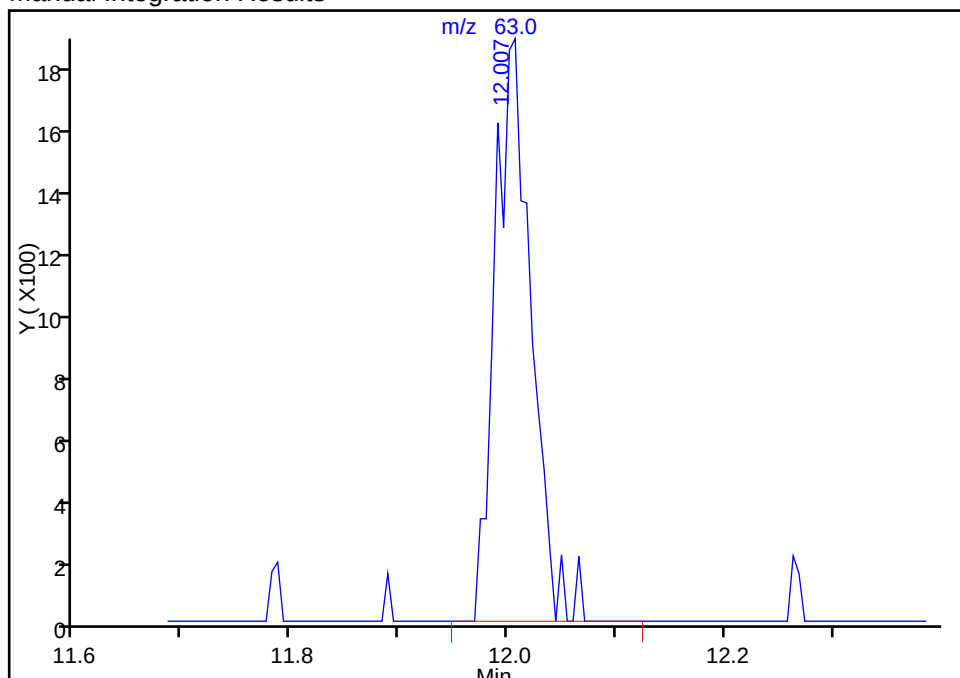
RT: 12.01

Area: 4297

Amount: 0.036295

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 12-Jan-2016 08:02:11

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_005.D

Injection Date: 11-Jan-2016 20:15:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

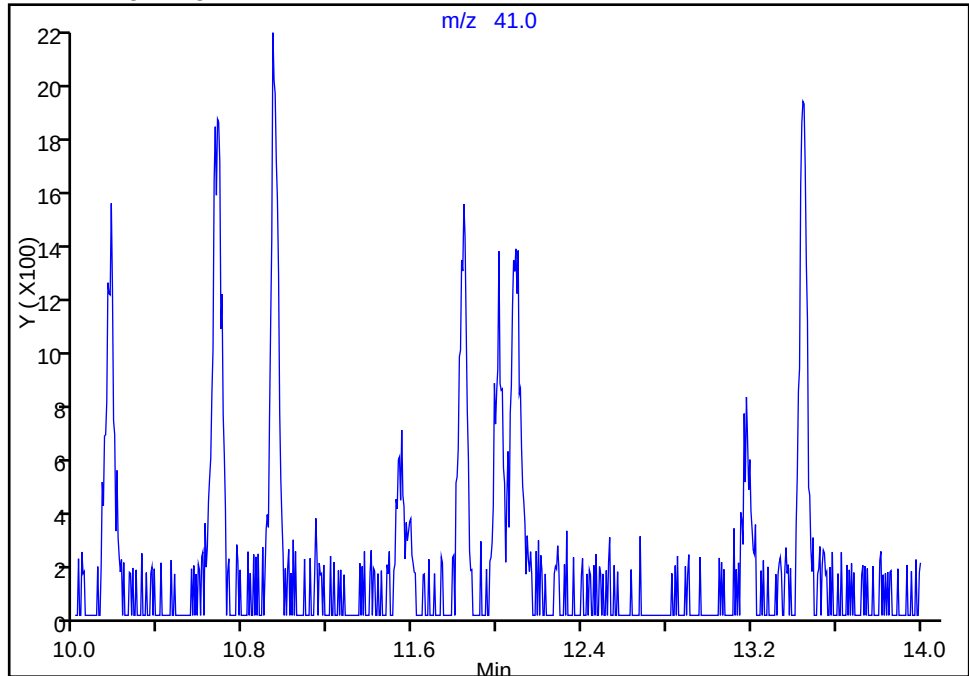
Detector: MS SCAN

31 1,2-Dichloropropane, CAS: 78-87-5

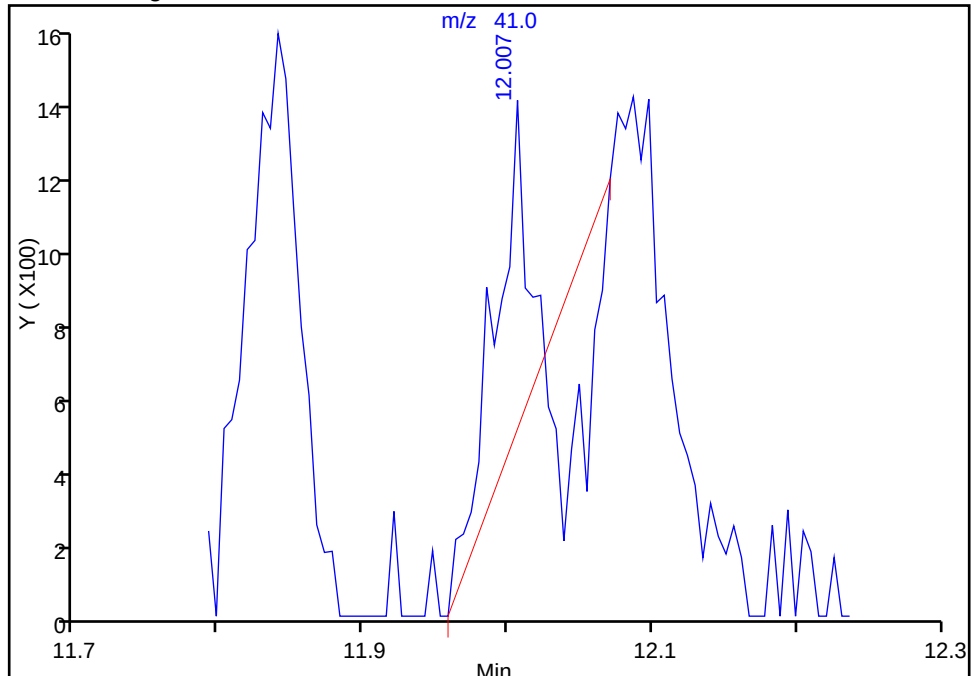
Not Detected

Expected RT: 12.00

Processing Integration Results



Manual Integration Results



RT: 12.01

Area: 338

Amount: 0.036295

Amount Units: ppb v/v

Reviewer: desjardinsb, 12-Jan-2016 08:02:11

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_006.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Jan-2016 21:14:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-006
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:27 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:02:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	98	50178	0.1000	0.1009	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.377	0.000	83	36929	0.1000	0.0978	
3 Chloromethane	50	3.500	3.500	0.000	99	10583	0.1000	0.0966	
4 Vinyl chloride	62	3.709	3.720	-0.011	98	14462	0.1000	0.0997	
5 Butadiene	54	3.768	3.773	-0.005	89	10405	0.1000	0.1044	
6 Bromomethane	94	4.362	4.367	-0.005	95	15849	0.1000	0.0967	
7 Chloroethane	64	4.560	4.554	0.006	97	6619	0.1000	0.0968	
8 Vinyl bromide	106	4.923	4.934	-0.011	97	17744	0.1000	0.0984	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	98	54532	0.1000	0.0982	
10 1,1,2-Trichloro-1,2,2-trif	101	6.148	6.149	-0.001	96	33636	0.1000	0.0953	
11 1,1-Dichloroethene	96	6.191	6.191	0.000	97	13448	0.1000	0.0984	
12 3-Chloro-1-propene	41	6.978	6.967	0.011	99	16406	0.1000	0.0964	
13 Methylene Chloride	49	7.256	7.261	-0.005	90	22408	0.1000	0.1240	
14 Methyl tert-butyl ether	73	7.673	7.711	-0.038	97	35211	0.1000	0.0951	
15 trans-1,2-Dichloroethene	61	7.705	7.711	-0.006	97	19328	0.1000	0.0981	
16 Hexane	57	8.069	8.069	0.000	93	19545	0.1000	0.0954	
17 1,1-Dichloroethane	63	8.481	8.492	-0.011	100	24043	0.1000	0.0987	
S 18 1,2-Dichloroethene, Total	61				0		0.1999	0.1986	
19 cis-1,2-Dichloroethene	96	9.444	9.433	0.011	93	14142	0.1000	0.1004	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	82	694949	2.00	2.00	
21 Chloroform	83	9.909	9.904	0.005	94	33218	0.1000	0.1032	
22 1,1,1-Trichloroethane	97	10.150	10.145	0.005	93	39886	0.1000	0.0983	
23 Cyclohexane	84	10.166	10.172	-0.006	77	18715	0.1000	0.0921	
24 Carbon tetrachloride	117	10.364	10.364	0.000	97	41737	0.1000	0.0944	
25 Isooctane	57	10.674	10.685	-0.011	97	62503	0.1000	0.0942	
26 Benzene	78	10.701	10.690	0.011	96	39964	0.1000	0.0857	
27 1,2-Dichloroethane	62	10.803	10.803	0.000	98	20610	0.1000	0.0883	
28 n-Heptane	43	10.942	10.937	0.005	90	22373	0.1000	0.0871	
* 29 1,4-Difluorobenzene	114	11.273	11.274	-0.001	94	2983823	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	98	19551	0.1000	0.0939	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.006	12.001	0.005	86	13974	0.1000	0.0854	
32 Dichlorobromomethane	83	12.381	12.381	0.000	97	30614	0.1000	0.0912	
33 cis-1,3-Dichloropropene	75	13.007	13.012	-0.005	93	19142	0.1000	0.0880	
34 Toluene	92	13.440	13.446	-0.006	94	27015	0.1000	0.0894	
35 trans-1,3-Dichloropropene	75	13.809	13.815	-0.006	98	16453	0.1000	0.0759	
36 1,1,2-Trichloroethane	83	14.071	14.066	0.005	96	12328	0.1000	0.0916	
37 Tetrachloroethene	166	14.210	14.216	-0.006	95	28031	0.1000	0.0946	
38 Chlorodibromomethane	129	14.633	14.628	0.005	98	25043	0.1000	0.0897	
39 Ethylene Dibromide	107	14.831	14.831	0.000	97	21452	0.1000	0.0895	
* 40 Chlorobenzene-d5	117	15.414	15.420	-0.006	86	2954875	2.00	2.00	
41 Chlorobenzene	112	15.452	15.457	-0.005	97	34547	0.1000	0.0816	
42 Ethylbenzene	91	15.532	15.532	0.000	98	52122	0.1000	0.0809	
43 m-Xylene & p-Xylene	106	15.682	15.687	-0.005	0	43378	0.1999	0.1643	
S 44 Xylenes, Total	106				0		0.2999	0.2504	
45 o-Xylene	106	16.201	16.206	-0.005	98	21168	0.1000	0.0860	
46 Bromoform	173	16.516	16.516	0.000	97	17101	0.1000	0.0785	
47 1,1,2,2-Tetrachloroethane	83	17.046	17.046	0.000	99	32799	0.1000	0.0931	
48 4-Ethyltoluene	105	17.238	17.249	-0.011	97	52693	0.1000	0.0777	
49 1,3,5-Trimethylbenzene	105	17.308	17.313	-0.005	92	49135	0.1000	0.0756	
50 1,2,4-Trimethylbenzene	105	17.747	17.752	-0.005	97	42473	0.1000	0.0640	

Reagents:

ATTO15CAL2w_00204

Amount Added: 100.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_006.D

Injection Date: 11-Jan-2016 21:14:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

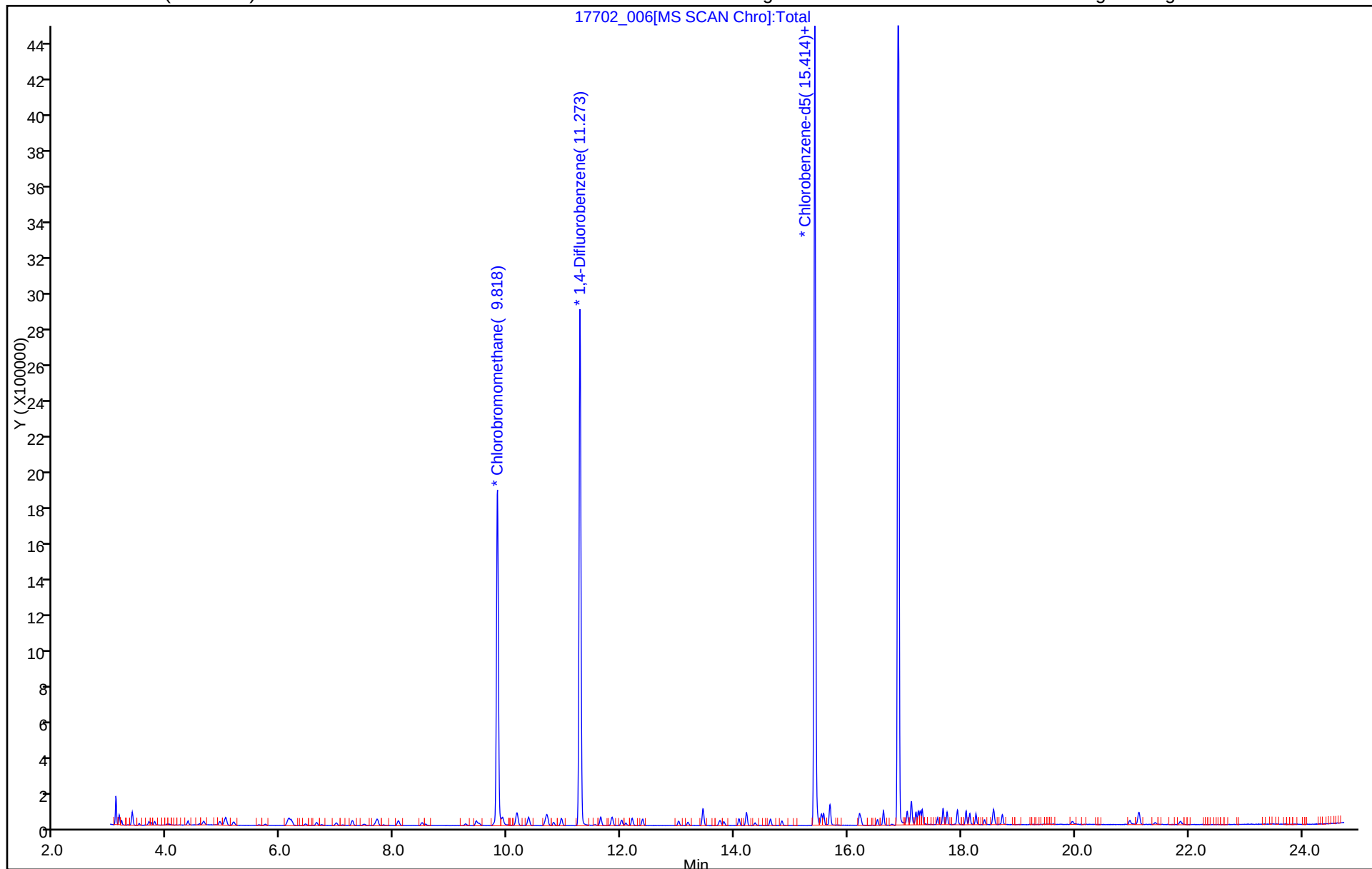
ALS Bottle#: 4

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_007.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 11-Jan-2016 22:12:30 ALS Bottle#: 4 Worklist Smp#: 7
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-007
 Misc. Info.: icis
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:28 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 07:55:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	99	93340	0.1999	0.2376	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.377	0.000	85	72613	0.1999	0.2432	
3 Chloromethane	50	3.500	3.500	0.000	98	19476	0.1999	0.2249	
4 Vinyl chloride	62	3.709	3.709	0.000	98	27329	0.1999	0.2385	
5 Butadiene	54	3.773	3.773	0.000	91	18588	0.1999	0.2360	
6 Bromomethane	94	4.362	4.362	0.000	97	29668	0.1999	0.2291	
7 Chloroethane	64	4.560	4.560	0.000	99	12965	0.1999	0.2398	
8 Vinyl bromide	106	4.918	4.918	0.000	98	32830	0.1999	0.2304	
9 Trichlorofluoromethane	101	5.025	5.025	0.000	98	101555	0.1999	0.2314	
10 1,1,2-Trichloro-1,2,2-trif	101	6.143	6.143	0.000	96	60999	0.1999	0.2188	
11 1,1-Dichloroethene	96	6.191	6.191	0.000	97	26106	0.1999	0.2417	
12 3-Chloro-1-propene	41	6.978	6.978	0.000	99	29772	0.1999	0.2213	
13 Methylene Chloride	49	7.256	7.256	0.000	93	36687	0.1999	0.2569	
14 Methyl tert-butyl ether	73	7.663	7.663	0.000	97	70169	0.1999	0.2398	
15 trans-1,2-Dichloroethene	61	7.700	7.700	0.000	98	39072	0.1999	0.2510	
16 Hexane	57	8.074	8.074	0.000	93	37369	0.1999	0.2308	
17 1,1-Dichloroethane	63	8.492	8.492	0.000	99	46926	0.1999	0.2438	
S 18 1,2-Dichloroethene, Total	61				0		0.3998	0.4891	
19 cis-1,2-Dichloroethene	96	9.444	9.444	0.000	93	26496	0.1999	0.2381	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	84	549170	2.00	2.00	
21 Chloroform	83	9.909	9.909	0.000	96	61129	0.1999	0.2404	
22 1,1,1-Trichloroethane	97	10.156	10.156	0.000	94	69676	0.1999	0.2415	
23 Cyclohexane	84	10.166	10.166	0.000	77	36188	0.1999	0.2505	
24 Carbon tetrachloride	117	10.369	10.369	0.000	99	77633	0.1999	0.2468	
25 Isooctane	57	10.669	10.669	0.000	98	117769	0.1999	0.2497	
26 Benzene	78	10.701	10.701	0.000	96	71649	0.1999	0.2161	
27 1,2-Dichloroethane	62	10.808	10.808	0.000	99	39601	0.1999	0.2387	
28 n-Heptane	43	10.947	10.947	0.000	90	43772	0.1999	0.2396	
* 29 1,4-Difluorobenzene	114	11.274	11.274	0.000	94	2121448	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	99	36822	0.1999	0.2487	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.007	12.007	0.000	86	25954	0.1999	0.2232	
32 Dichlorobromomethane	83	12.381	12.381	0.000	99	59281	0.1999	0.2485	
33 cis-1,3-Dichloropropene	75	13.007	13.007	0.000	94	37689	0.1999	0.2436	
34 Toluene	92	13.435	13.435	0.000	94	51686	0.1999	0.2195	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	97	38487	0.1999	0.2498	
36 1,1,2-Trichloroethane	83	14.077	14.077	0.000	98	25357	0.1999	0.2419	
37 Tetrachloroethene	166	14.211	14.211	0.000	97	53407	0.1999	0.2314	
38 Chlorodibromomethane	129	14.633	14.633	0.000	97	53689	0.1999	0.2468	
39 Ethylene Dibromide	107	14.837	14.837	0.000	98	45833	0.1999	0.2454	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	87	2301092	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	98	71760	0.1999	0.2176	
42 Ethylbenzene	91	15.532	15.532	0.000	98	126970	0.1999	0.2532	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	112519	0.3998	0.5474	
S 44 Xylenes, Total	106				0		0.5998	0.7997	
45 o-Xylene	106	16.201	16.201	0.000	98	48334	0.1999	0.2523	
46 Bromoform	173	16.522	16.522	0.000	95	40084	0.1999	0.2363	
47 1,1,2,2-Tetrachloroethane	83	17.046	17.046	0.000	99	65292	0.1999	0.2379	
48 4-Ethyltoluene	105	17.244	17.244	0.000	98	132901	0.1999	0.2517	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	92	115604	0.1999	0.2283	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	124178	0.1999	0.2403	

Reagents:

ATTO15CAL2w_00204

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_007.D

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

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: icis

Worklist Smp#: 7

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

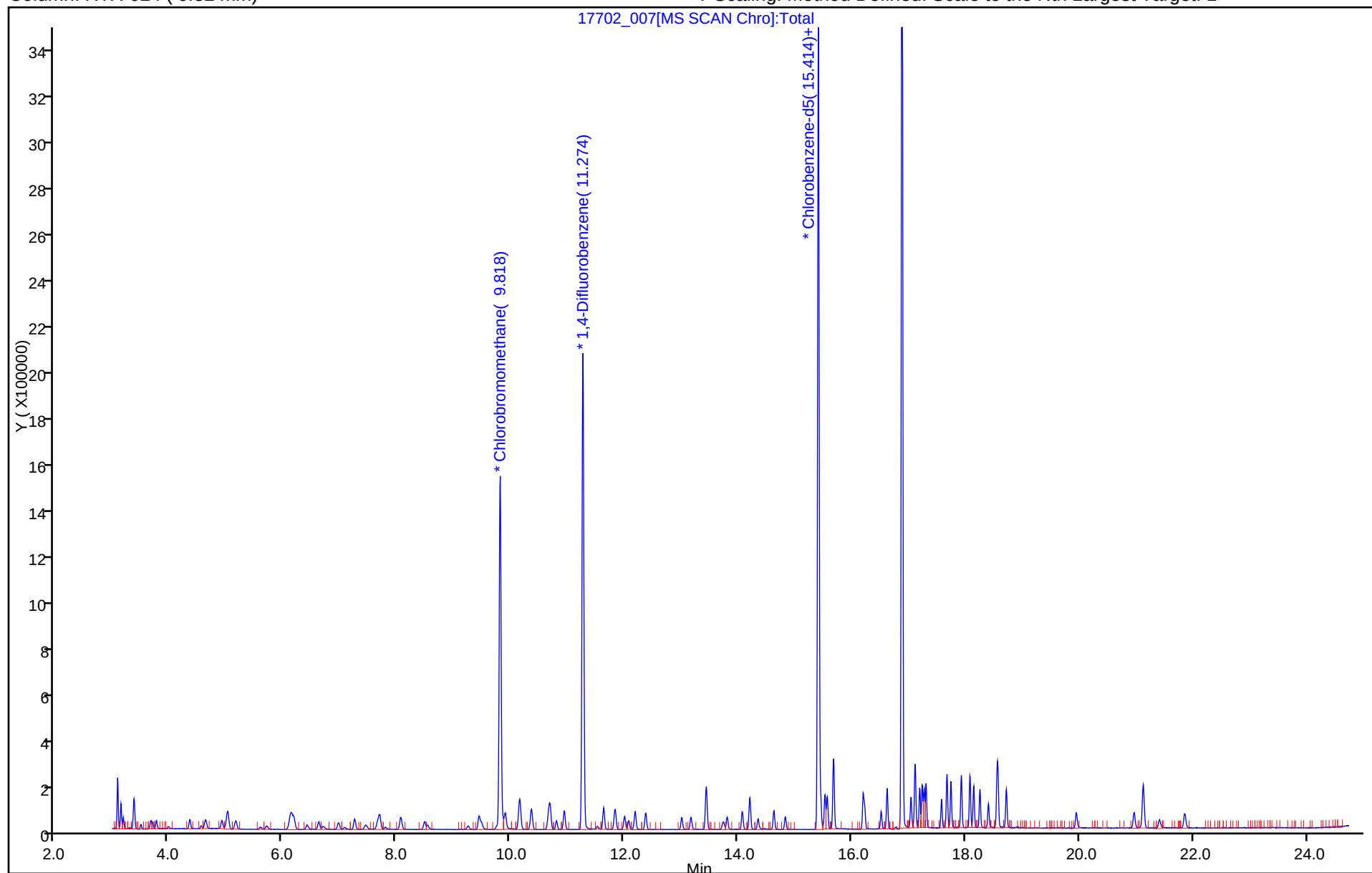
ALS Bottle#: 4

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_008.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Jan-2016 23:10:30 ALS Bottle#: 4 Worklist Smp#: 8
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-008
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:29 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:03:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.142	3.142	0.000	99	228492	0.4998	0.5930	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.372	3.372	0.000	85	176551	0.4998	0.6029	
3 Chloromethane	50	3.490	3.490	0.000	100	47631	0.4998	0.5606	
4 Vinyl chloride	62	3.704	3.704	0.000	99	63961	0.4998	0.5690	
5 Butadiene	54	3.768	3.768	0.000	93	44506	0.4998	0.5760	
6 Bromomethane	94	4.351	4.351	0.000	98	71668	0.4998	0.5641	
7 Chloroethane	64	4.554	4.554	0.000	99	30686	0.4998	0.5787	
8 Vinyl bromide	106	4.918	4.918	0.000	99	78843	0.4998	0.5641	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	97	256917	0.4998	0.5967	
10 1,1,2-Trichloro-1,2,2-trif	101	6.127	6.127	0.000	97	150552	0.4998	0.5505	
11 1,1-Dichloroethene	96	6.186	6.186	0.000	96	63122	0.4998	0.5958	
12 3-Chloro-1-propene	41	6.967	6.967	0.000	98	77316	0.4998	0.5858	
13 Methylene Chloride	49	7.256	7.256	0.000	92	78459	0.4998	0.5601	
14 Methyl tert-butyl ether	73	7.652	7.652	0.000	96	193720	0.4998	0.6747	
15 trans-1,2-Dichloroethene	61	7.695	7.695	0.000	99	95042	0.4998	0.6223	
16 Hexane	57	8.064	8.064	0.000	93	93675	0.4998	0.5898	
17 1,1-Dichloroethane	63	8.486	8.486	0.000	100	118571	0.4998	0.6279	
S 18 1,2-Dichloroethene, Total	61				0		1.00	1.27	
19 cis-1,2-Dichloroethene	96	9.439	9.439	0.000	92	70337	0.4998	0.6444	
* 20 Chlorobromomethane	128	9.813	9.813	0.000	83	538731	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	97	159311	0.4998	0.6386	
22 1,1,1-Trichloroethane	97	10.155	10.155	0.000	93	186437	0.4998	0.6734	
23 Cyclohexane	84	10.161	10.161	0.000	95	91649	0.4998	0.6613	
24 Carbon tetrachloride	117	10.364	10.364	0.000	97	200692	0.4998	0.6651	
25 Isooctane	57	10.674	10.674	0.000	98	308263	0.4998	0.6811	
26 Benzene	78	10.696	10.696	0.000	96	195781	0.4998	0.6154	
27 1,2-Dichloroethane	62	10.803	10.803	0.000	98	107255	0.4998	0.6738	
28 n-Heptane	43	10.942	10.942	0.000	92	115492	0.4998	0.6588	
* 29 1,4-Difluorobenzene	114	11.273	11.273	0.000	94	2035596	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	98	97322	0.4998	0.6850	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.001	12.001	0.000	86	72439	0.4998	0.6492	
32 Dichlorobromomethane	83	12.376	12.376	0.000	99	167166	0.4998	0.7302	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	94	107607	0.4998	0.7249	
34 Toluene	92	13.435	13.435	0.000	96	147911	0.4998	0.6521	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	97	112224	0.4998	0.7592	
36 1,1,2-Trichloroethane	83	14.077	14.077	0.000	98	70999	0.4998	0.7030	
37 Tetrachloroethene	166	14.205	14.205	0.000	96	142800	0.4998	0.6421	
38 Chlorodibromomethane	129	14.628	14.628	0.000	97	156827	0.4998	0.7484	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	143798	0.4998	0.7992	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2216939	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	95	204072	0.4998	0.6423	
42 Ethylbenzene	91	15.526	15.526	0.000	98	330003	0.4998	0.6830	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	266685	1.00	1.35	
S 44 Xylenes, Total	106				0		1.50	2.06	
45 o-Xylene	106	16.201	16.201	0.000	99	131474	0.4998	0.7123	
46 Bromoform	173	16.522	16.522	0.000	97	132358	0.4998	0.8100	
47 1,1,2,2-Tetrachloroethane	83	17.040	17.040	0.000	99	195070	0.4998	0.7378	
48 4-Ethyltoluene	105	17.238	17.238	0.000	98	385500	0.4998	0.7577	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	92	332911	0.4998	0.6824	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	98	324846	0.4998	0.6526	

Reagents:

ATTO15CAL2w_00204

Amount Added: 500.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_008.D

Injection Date: 11-Jan-2016 23:10:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 8

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

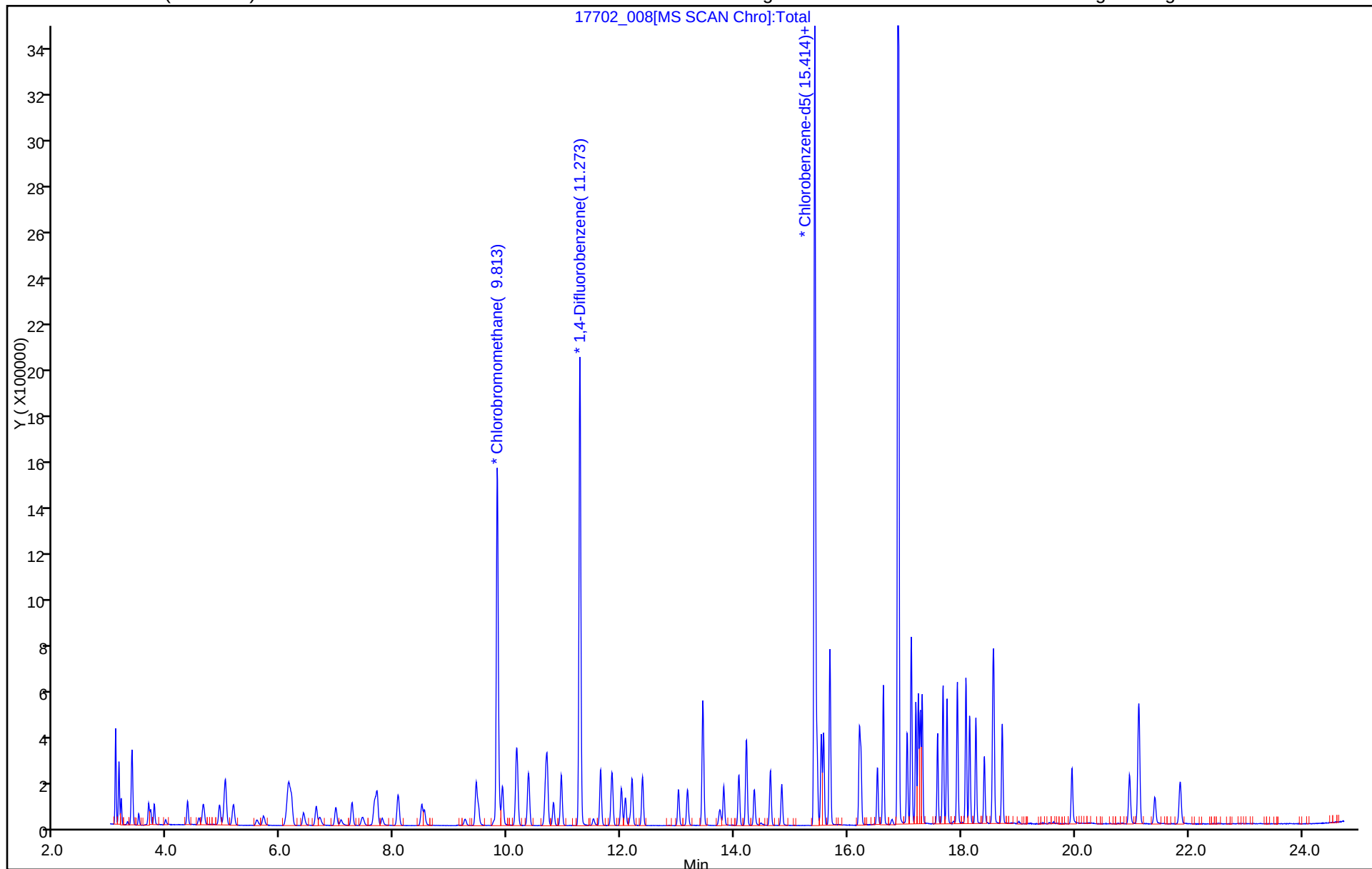
ALS Bottle#: 4

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_009.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 12-Jan-2016 00:09:30 ALS Bottle#: 5 Worklist Smp#: 9
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-009
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:30 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:03:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.142	0.005	99	308307	0.7489	0.7944	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.372	3.372	0.000	94	248242	0.7489	0.8416	
3 Chloromethane	50	3.495	3.490	0.005	98	64638	0.7489	0.7553	
4 Vinyl chloride	62	3.704	3.704	0.000	98	90597	0.7489	0.8001	
5 Butadiene	54	3.768	3.768	0.000	92	61531	0.7489	0.7906	
6 Bromomethane	94	4.356	4.351	0.005	98	102598	0.7489	0.8018	
7 Chloroethane	64	4.560	4.554	0.006	100	40857	0.7489	0.7649	
8 Vinyl bromide	106	4.918	4.918	0.000	98	111375	0.7489	0.7911	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	98	331501	0.7489	0.7645	
10 1,1,2-Trichloro-1,2,2-trif	101	6.138	6.127	0.011	97	196916	0.7489	0.7148	
11 1,1-Dichloroethene	96	6.191	6.186	0.005	97	92688	0.7489	0.8687	
12 3-Chloro-1-propene	41	6.972	6.967	0.005	100	88690	0.7489	0.6671	
13 Methylene Chloride	49	7.256	7.256	0.000	92	96607	0.7489	0.6847	
14 Methyl tert-butyl ether	73	7.663	7.652	0.011	96	236483	0.7489	0.8178	
15 trans-1,2-Dichloroethene	61	7.695	7.695	0.001	98	131206	0.7489	0.8530	
16 Hexane	57	8.069	8.064	0.005	92	127254	0.7489	0.7955	
17 1,1-Dichloroethane	63	8.492	8.486	0.006	99	135200	0.7489	0.7109	
S 18 1,2-Dichloroethene, Total	61				0		1.50	1.59	
19 cis-1,2-Dichloroethene	96	9.444	9.439	0.005	91	80584	0.7489	0.7331	
* 20 Chlorobromomethane	128	9.819	9.813	0.005	82	542613	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	95	181133	0.7489	0.7209	
22 1,1,1-Trichloroethane	97	10.161	10.155	0.006	94	215677	0.7489	0.6858	
23 Cyclohexane	84	10.166	10.161	0.005	95	128005	0.7489	0.8130	
24 Carbon tetrachloride	117	10.364	10.364	0.000	98	275395	0.7489	0.8034	
25 Isooctane	57	10.674	10.674	0.000	98	355472	0.7489	0.6914	
26 Benzene	78	10.696	10.696	0.000	96	212770	0.7489	0.5887	
27 1,2-Dichloroethane	62	10.808	10.803	0.005	99	117008	0.7489	0.6471	
28 n-Heptane	43	10.947	10.942	0.005	93	131779	0.7489	0.6617	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	94	2312396	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	99	112981	0.7489	0.7000	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.007	12.001	0.006	86	77049	0.7489	0.6079	
32 Dichlorobromomethane	83	12.370	12.376	-0.006	98	185077	0.7489	0.7117	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	93	121212	0.7489	0.7188	
34 Toluene	92	13.440	13.435	0.005	95	165874	0.7489	0.6215	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	96	131206	0.7489	0.7814	
36 1,1,2-Trichloroethane	83	14.077	14.077	0.000	97	80790	0.7489	0.6799	
37 Tetrachloroethene	166	14.211	14.205	0.006	96	171734	0.7489	0.6563	
38 Chlorodibromomethane	129	14.633	14.628	0.005	97	181755	0.7489	0.7372	
39 Ethylene Dibromide	107	14.831	14.831	0.000	98	154104	0.7489	0.7280	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	85	2608448	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	95	259471	0.7489	0.6941	
42 Ethylbenzene	91	15.527	15.526	0.001	98	413988	0.7489	0.7282	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	328043	1.50	1.41	
S 44 Xylenes, Total	106				0		2.25	2.14	
45 o-Xylene	106	16.201	16.201	0.000	99	160055	0.7489	0.7370	
46 Bromoform	173	16.516	16.522	-0.006	97	154176	0.7489	0.8019	
47 1,1,2,2-Tetrachloroethane	83	17.041	17.040	0.001	99	223057	0.7489	0.7170	
48 4-Ethyltoluene	105	17.239	17.238	0.001	99	454829	0.7489	0.7598	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	92	390787	0.7489	0.6808	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	401434	0.7489	0.6854	

Reagents:

ATTO15CAL3w_00160

Amount Added: 75.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_009.D

Injection Date: 12-Jan-2016 00:09:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

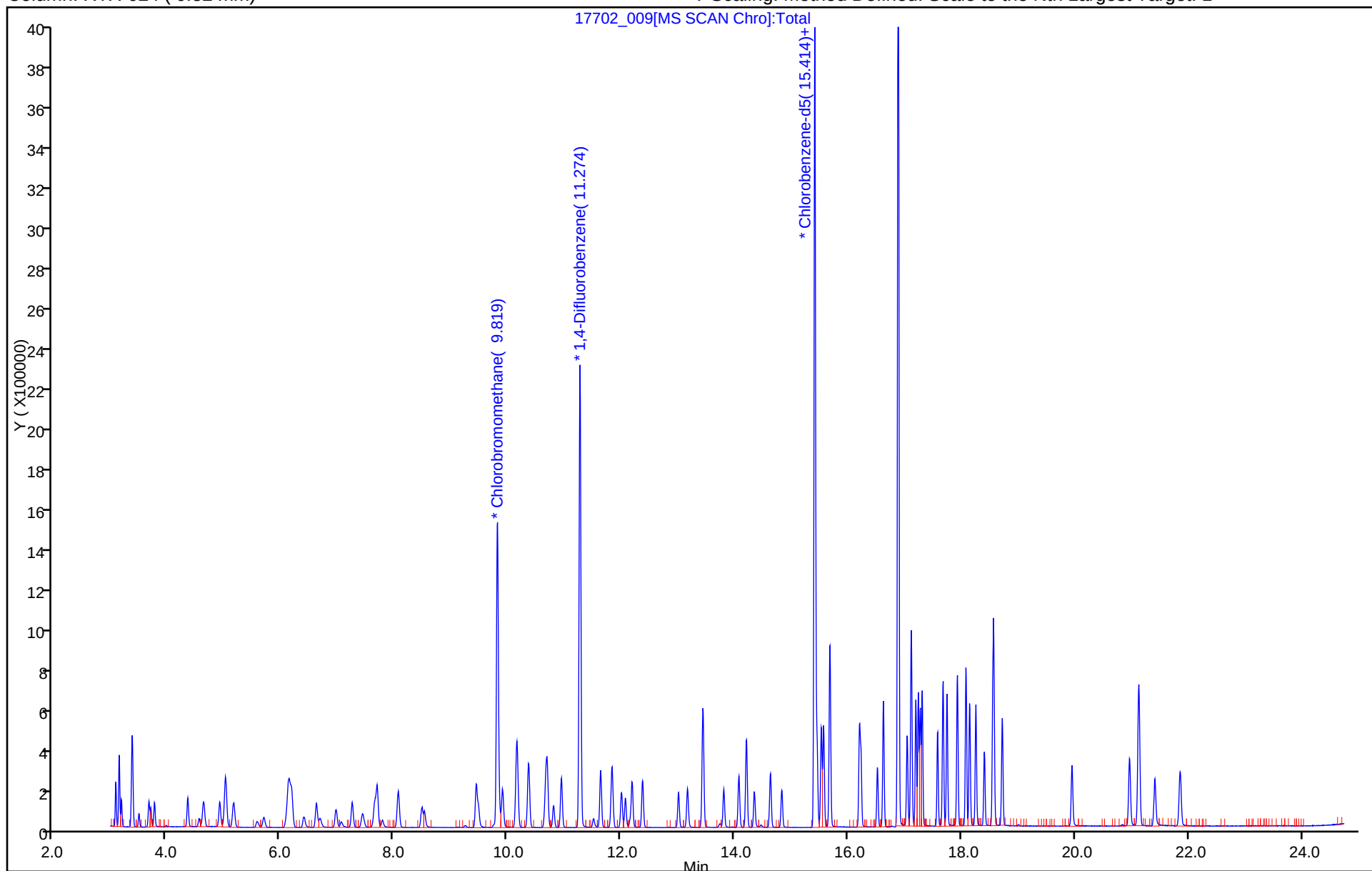
ALS Bottle#: 5

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 12-Jan-2016 01:07:30 ALS Bottle#: 5 Worklist Smp#: 10
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-010
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:31 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:04:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.142	3.142	0.000	99	422001	1.00	1.05	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.372	3.372	0.000	95	341594	1.00	1.12	
3 Chloromethane	50	3.490	3.490	0.000	99	87891	1.00	1.00	
4 Vinyl chloride	62	3.698	3.704	-0.006	98	122928	1.00	1.05	
5 Butadiene	54	3.768	3.768	0.000	91	82720	1.00	1.03	
6 Bromomethane	94	4.351	4.351	0.000	98	139283	1.00	1.06	
7 Chloroethane	64	4.554	4.554	0.000	99	55957	1.00	1.02	
8 Vinyl bromide	106	4.918	4.918	0.000	98	155937	1.00	1.07	
9 Trichlorofluoromethane	101	5.014	5.020	-0.006	98	480019	1.00	1.07	
10 1,1,2-Trichloro-1,2,2-trif	101	6.132	6.127	0.005	97	270540	1.00	0.9519	
11 1,1-Dichloroethene	96	6.186	6.186	0.000	98	134203	1.00	1.22	
12 3-Chloro-1-propene	41	6.967	6.967	0.000	99	117125	1.00	0.8539	
13 Methylene Chloride	49	7.251	7.256	-0.005	90	122087	1.00	0.8387	
14 Methyl tert-butyl ether	73	7.652	7.652	0.000	96	336997	1.00	1.13	
15 trans-1,2-Dichloroethene	61	7.695	7.695	0.001	98	178189	1.00	1.12	
16 Hexane	57	8.064	8.064	0.000	92	165411	1.00	1.00	
17 1,1-Dichloroethane	63	8.481	8.486	-0.005	100	184581	1.00	0.9407	
S 18 1,2-Dichloroethene, Total	61				0		2.00	2.13	
19 cis-1,2-Dichloroethene	96	9.439	9.439	0.000	93	114209	1.00	1.01	
* 20 Chlorobromomethane	128	9.813	9.813	0.000	90	559819	2.00	2.00	
21 Chloroform	83	9.909	9.904	0.005	96	254093	1.00	0.9802	
22 1,1,1-Trichloroethane	97	10.150	10.155	-0.005	92	302112	1.00	0.9166	
23 Cyclohexane	84	10.161	10.161	0.000	94	173905	1.00	1.05	
24 Carbon tetrachloride	117	10.369	10.364	0.005	98	375683	1.00	1.05	
25 Isooctane	57	10.669	10.674	-0.005	98	498330	1.00	0.9249	
26 Benzene	78	10.696	10.696	0.000	96	303588	1.00	0.8016	
27 1,2-Dichloroethane	62	10.803	10.803	0.000	99	163310	1.00	0.8618	
28 n-Heptane	43	10.942	10.942	0.000	92	181983	1.00	0.8720	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	94	2423250	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	99	162902	1.00	0.9631	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.006	12.001	0.005	87	109694	1.00	0.8258	
32 Dichlorobromomethane	83	12.376	12.376	0.000	99	265938	1.00	0.9759	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	93	171756	1.00	0.9720	
34 Toluene	92	13.435	13.435	0.000	95	260129	1.00	1.00	
35 trans-1,3-Dichloropropene	75	13.804	13.809	-0.005	96	185425	1.00	1.05	
36 1,1,2-Trichloroethane	83	14.077	14.077	0.000	97	116542	1.00	1.01	
37 Tetrachloroethene	166	14.211	14.205	0.005	96	250557	1.00	0.9820	
38 Chlorodibromomethane	129	14.633	14.628	0.005	97	267536	1.00	1.11	
39 Ethylene Dibromide	107	14.831	14.831	0.000	98	223648	1.00	1.08	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	85	2543741	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	96	334696	1.00	0.9182	
42 Ethylbenzene	91	15.527	15.526	0.001	98	551894	1.00	1.00	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	455150	2.00	2.00	
S 44 Xylenes, Total	106				0		3.00	3.06	
45 o-Xylene	106	16.201	16.201	0.000	99	223719	1.00	1.06	
46 Bromoform	173	16.522	16.522	0.000	98	231552	1.00	1.23	
47 1,1,2,2-Tetrachloroethane	83	17.041	17.040	0.000	99	317683	1.00	1.05	
48 4-Ethyltoluene	105	17.238	17.238	0.000	99	669301	1.00	1.15	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	93	626545	1.00	1.12	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	589717	1.00	1.03	

Reagents:

ATTO15CAL3w_00160

Amount Added: 100.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 13-Jan-2016 10:44:31

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_010.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

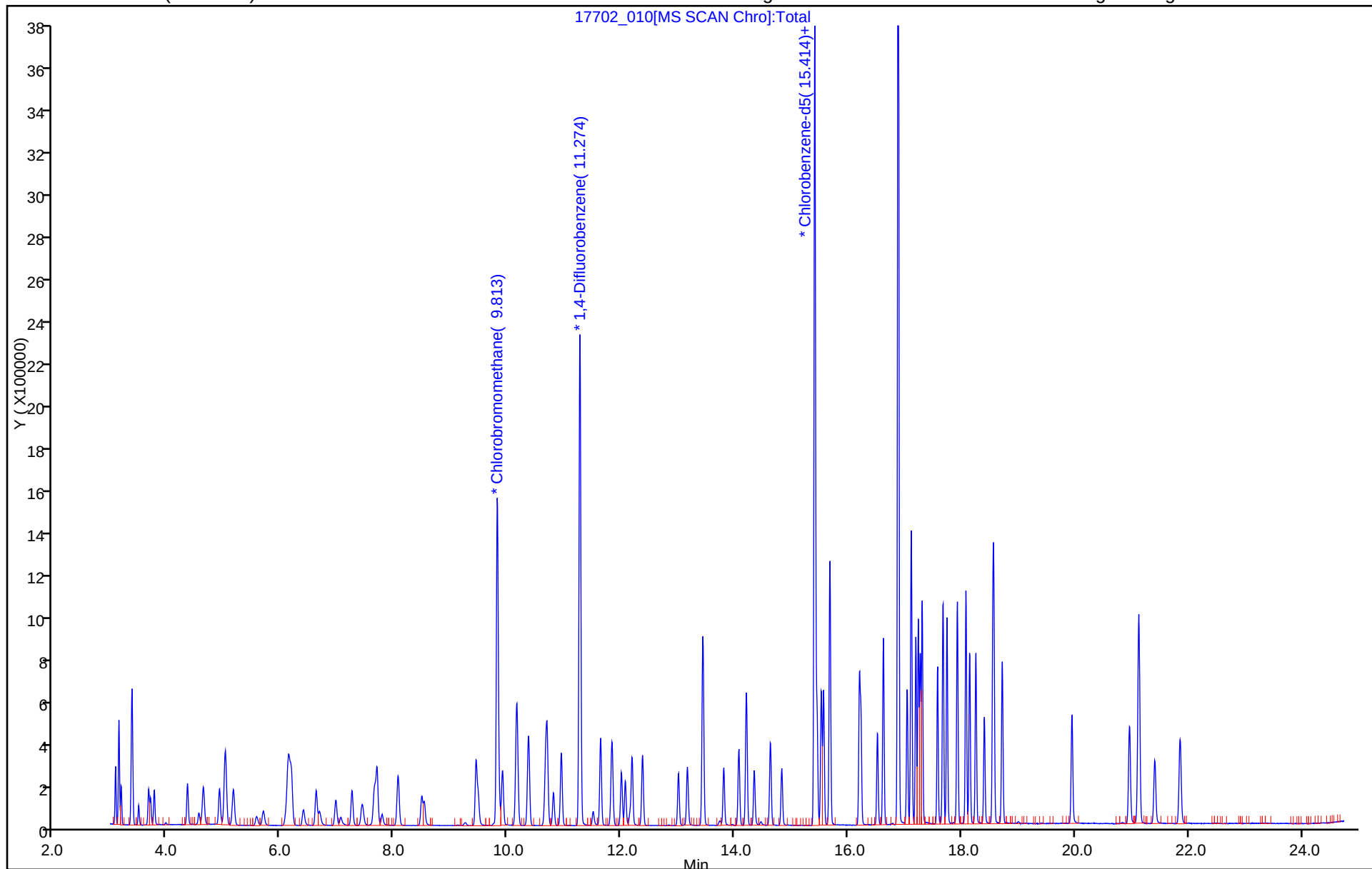
ALS Bottle#: 5

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_011.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 12-Jan-2016 02:05:30 ALS Bottle#: 5 Worklist Smp#: 11
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-011
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:32 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:04:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.142	3.142	0.000	99	632285	1.50	1.53	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.372	3.372	0.000	93	513041	1.50	1.64	
3 Chloromethane	50	3.490	3.490	0.000	99	130416	1.50	1.44	
4 Vinyl chloride	62	3.698	3.704	-0.006	98	180607	1.50	1.50	
5 Butadiene	54	3.762	3.768	-0.006	91	125182	1.50	1.52	
6 Bromomethane	94	4.351	4.351	0.000	98	209301	1.50	1.54	
7 Chloroethane	64	4.554	4.554	0.000	99	83436	1.50	1.47	
8 Vinyl bromide	106	4.913	4.918	-0.005	99	241603	1.50	1.62	
9 Trichlorofluoromethane	101	5.014	5.020	-0.006	98	708213	1.50	1.54	
10 1,1,2-Trichloro-1,2,2-trif	101	6.132	6.127	0.005	96	401244	1.50	1.37	
11 1,1-Dichloroethene	96	6.180	6.186	-0.006	99	204623	1.50	1.81	
12 3-Chloro-1-propene	41	6.967	6.967	0.000	99	186742	1.50	1.32	
13 Methylene Chloride	49	7.250	7.256	-0.006	90	185599	1.50	1.24	
14 Methyl tert-butyl ether	73	7.646	7.652	-0.006	96	532533	1.50	1.73	
15 trans-1,2-Dichloroethene	61	7.694	7.695	0.000	96	263225	1.50	1.61	
16 Hexane	57	8.064	8.064	0.000	92	252844	1.50	1.49	
17 1,1-Dichloroethane	63	8.486	8.486	0.000	100	291290	1.50	1.44	
S 18 1,2-Dichloroethene, Total	61				0		3.00	3.21	
19 cis-1,2-Dichloroethene	96	9.438	9.439	-0.001	89	186187	1.50	1.60	
* 20 Chlorobromomethane	128	9.818	9.813	0.005	79	575972	2.00	2.00	
21 Chloroform	83	9.909	9.904	0.005	96	406478	1.50	1.52	
22 1,1,1-Trichloroethane	97	10.155	10.155	0.000	93	482582	1.50	1.42	
23 Cyclohexane	84	10.166	10.161	0.005	93	264663	1.50	1.56	
24 Carbon tetrachloride	117	10.364	10.364	0.000	98	572881	1.50	1.55	
25 Isooctane	57	10.674	10.674	0.000	98	792503	1.50	1.43	
26 Benzene	78	10.696	10.696	0.000	96	478178	1.50	1.23	
27 1,2-Dichloroethane	62	10.808	10.803	0.005	99	256282	1.50	1.32	
28 n-Heptane	43	10.942	10.942	0.000	91	281862	1.50	1.31	
* 29 1,4-Difluorobenzene	114	11.273	11.273	0.000	94	2490358	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	99	265039	1.50	1.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.006	12.001	0.005	87	170285	1.50	1.25	
32 Dichlorobromomethane	83	12.375	12.376	-0.001	98	430865	1.50	1.54	
33 cis-1,3-Dichloropropene	75	13.007	13.012	-0.005	93	276882	1.50	1.52	
34 Toluene	92	13.435	13.435	0.000	94	377080	1.50	1.41	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	97	297741	1.50	1.65	
36 1,1,2-Trichloroethane	83	14.077	14.077	0.000	97	183149	1.50	1.54	
37 Tetrachloroethene	166	14.210	14.205	0.005	97	411530	1.50	1.57	
38 Chlorodibromomethane	129	14.633	14.628	0.005	98	445456	1.50	1.80	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	360141	1.50	1.70	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	85	2612202	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	96	546615	1.50	1.46	
42 Ethylbenzene	91	15.526	15.526	0.000	98	870113	1.50	1.53	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	736292	3.00	3.16	
S 44 Xylenes, Total	106				0		4.49	4.84	
45 o-Xylene	106	16.200	16.201	-0.001	99	366557	1.50	1.69	
46 Bromoform	173	16.521	16.522	-0.001	98	389274	1.50	2.02	
47 1,1,2,2-Tetrachloroethane	83	17.046	17.040	0.006	100	538178	1.50	1.73	
48 4-Ethyltoluene	105	17.238	17.238	0.000	97	1058691	1.50	1.77	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	93	904177	1.50	1.57	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	909206	1.50	1.55	

Reagents:

ATTO15CAL3w_00160

Amount Added: 150.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_011.D

Injection Date: 12-Jan-2016 02:05:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

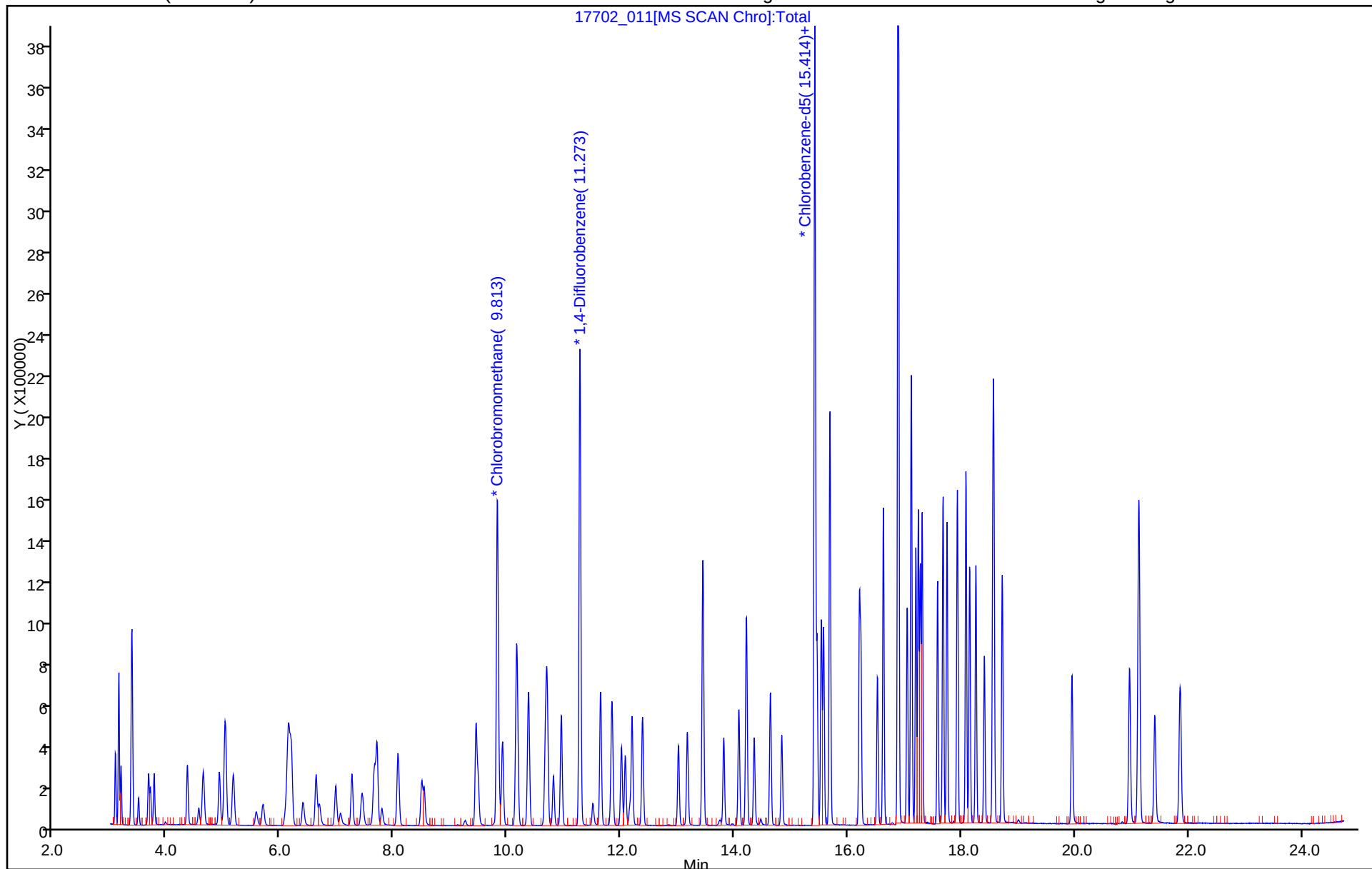
ALS Bottle#: 5

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_012.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 12-Jan-2016 03:04:30 ALS Bottle#: 5 Worklist Smp#: 12
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-012
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:33 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 08:05:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.142	3.142	0.000	99	841007	2.00	1.74	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.372	3.372	0.000	96	682386	2.00	1.86	
3 Chloromethane	50	3.490	3.490	0.000	99	175266	2.00	1.64	
4 Vinyl chloride	62	3.698	3.704	-0.006	98	238609	2.00	1.69	
5 Butadiene	54	3.763	3.768	-0.005	92	166789	2.00	1.72	
6 Bromomethane	94	4.351	4.351	0.000	99	285180	2.00	1.79	
7 Chloroethane	64	4.554	4.554	0.000	99	117595	2.00	1.77	
8 Vinyl bromide	106	4.913	4.918	-0.005	99	317087	2.00	1.81	
9 Trichlorofluoromethane	101	5.014	5.020	-0.006	99	959204	2.00	1.78	
10 1,1,2-Trichloro-1,2,2-trif	101	6.132	6.127	0.005	96	585533	2.00	1.71	
11 1,1-Dichloroethene	96	6.186	6.186	0.000	99	280551	2.00	2.11	
12 3-Chloro-1-propene	41	6.967	6.967	0.000	100	275701	2.00	1.66	
13 Methylene Chloride	49	7.251	7.256	-0.005	88	271048	2.00	1.54	
14 Methyl tert-butyl ether	73	7.646	7.652	-0.006	96	758611	2.00	2.11	
15 trans-1,2-Dichloroethene	61	7.695	7.695	0.001	96	380210	2.00	1.98	
16 Hexane	57	8.069	8.064	0.005	92	368054	2.00	1.85	
17 1,1-Dichloroethane	63	8.481	8.486	-0.005	100	449313	2.00	1.90	
S 18 1,2-Dichloroethene, Total	61				0		3.99	4.09	
19 cis-1,2-Dichloroethene	96	9.439	9.439	0.000	90	288133	2.00	2.10	
* 20 Chlorobromomethane	128	9.813	9.813	0.000	77	675931	2.00	2.00	
21 Chloroform	83	9.909	9.904	0.005	95	610549	2.00	1.95	
22 1,1,1-Trichloroethane	97	10.155	10.155	0.000	93	733281	2.00	1.98	
23 Cyclohexane	84	10.166	10.161	0.005	95	390399	2.00	2.10	
24 Carbon tetrachloride	117	10.364	10.364	0.000	97	849491	2.00	2.10	
25 Isooctane	57	10.674	10.674	0.000	98	1139630	2.00	1.88	
26 Benzene	78	10.701	10.696	0.005	95	720500	2.00	1.69	
27 1,2-Dichloroethane	62	10.803	10.803	0.000	99	379236	2.00	1.78	
28 n-Heptane	43	10.942	10.942	0.000	90	406814	2.00	1.73	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	93	2727716	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	98	390258	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.006	12.001	0.005	88	251521	2.00	1.68	
32 Dichlorobromomethane	83	12.376	12.376	0.000	98	649105	2.00	2.12	
33 cis-1,3-Dichloropropene	75	13.007	13.012	-0.005	92	420693	2.00	2.12	
34 Toluene	92	13.435	13.435	0.000	95	566490	2.00	1.92	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	96	444989	2.00	2.25	
36 1,1,2-Trichloroethane	83	14.071	14.077	-0.006	97	276182	2.00	2.10	
37 Tetrachloroethene	166	14.211	14.205	0.005	97	679819	2.00	2.35	
38 Chlorodibromomethane	129	14.633	14.628	0.005	98	740625	2.00	2.71	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	550203	2.00	2.35	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	84	2886172	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	96	818302	2.00	1.98	
42 Ethylbenzene	91	15.527	15.526	0.001	97	1284805	2.00	2.04	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	1090914	3.99	4.23	
S 44 Xylenes, Total	106				0		5.99	6.47	
45 o-Xylene	106	16.201	16.201	0.000	99	538653	2.00	2.24	
46 Bromoform	173	16.516	16.522	-0.006	98	601291	2.00	2.83	
47 1,1,2,2-Tetrachloroethane	83	17.040	17.040	0.000	99	786849	2.00	2.29	
48 4-Ethyltoluene	105	17.238	17.238	0.000	98	1561575	2.00	2.36	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	93	1336039	2.00	2.10	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	1336128	2.00	2.06	

Reagents:

ATTO15CAL3w_00160

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 13-Jan-2016 10:44:33

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_012.D

Injection Date: 12-Jan-2016 03:04:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

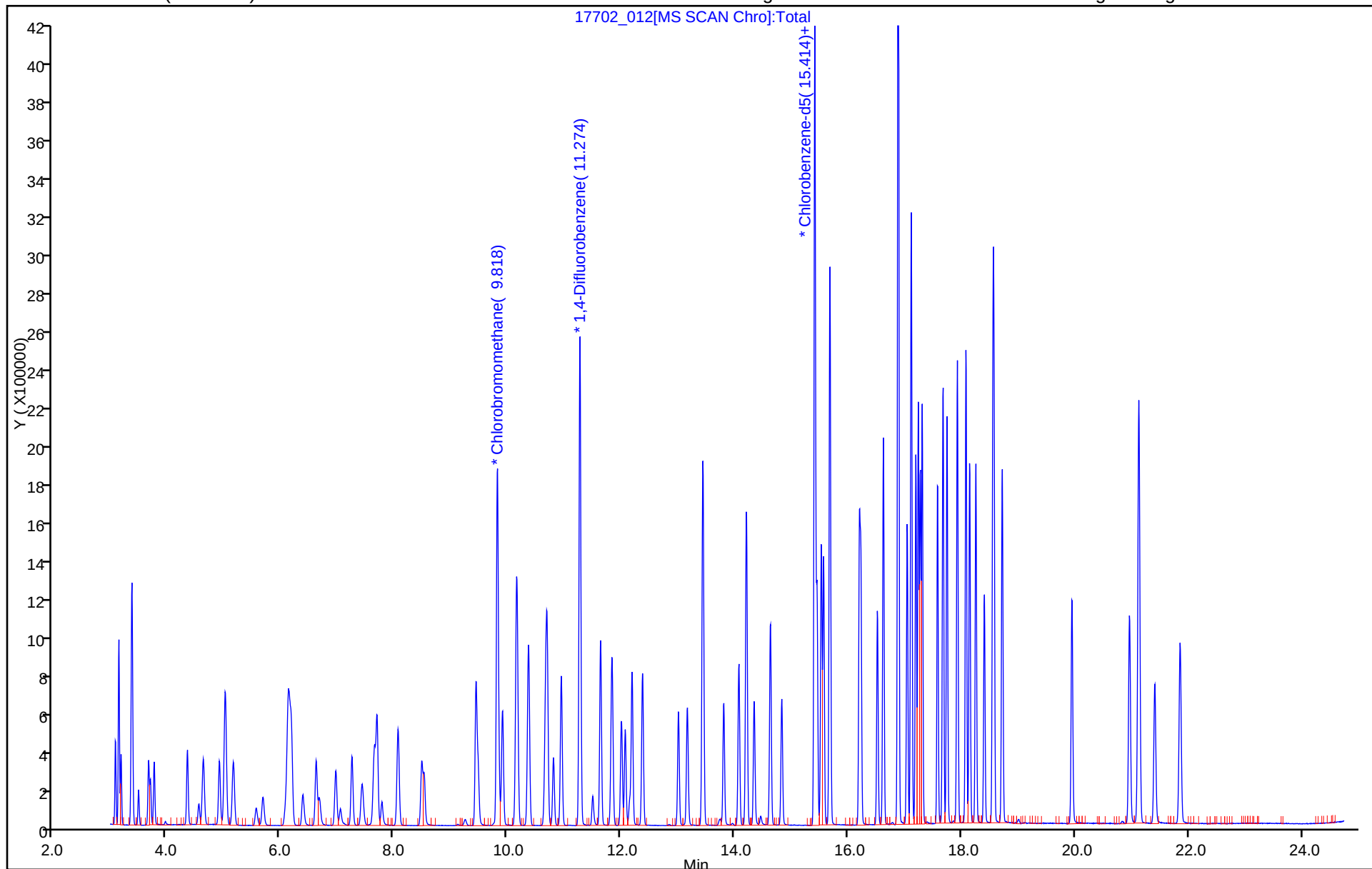
ALS Bottle#: 5

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\17702_018.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 12-Jan-2016 08:54:30 ALS Bottle#: 3 Worklist Smp#: 18
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-018
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:39 Calib Date: 12-Jan-2016 08:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 09:49:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.153	3.142	0.011	97	6262	0.0100	0.0125	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.383	3.372	0.011	82	4542	0.0100	0.0119	
3 Chloromethane	50	3.511	3.490	0.021	93	1977	0.0100	0.0193	
4 Vinyl chloride	62	3.714	3.704	0.010	35	1594	0.0100	0.0118	
5 Butadiene	54	3.779	3.768	0.011	81	1018	0.0100	0.0109	
6 Bromomethane	94	4.367	4.351	0.016	87	1935	0.0100	0.0126	
7 Chloroethane	64	4.565	4.554	0.011	21	703	0.0100	0.0110	
8 Vinyl bromide	106	4.929	4.918	0.011	55	2110	0.0100	0.0125	M
9 Trichlorofluoromethane	101	5.020	5.020	0.000	93	6509	0.0100	0.0117	
10 1,1,2-Trichloro-1,2,2-trif	101	6.149	6.127	0.022	46	4643	0.0100	0.0141	
11 1,1-Dichloroethene	96	6.197	6.186	0.011	80	1658	0.0100	0.0120	
12 3-Chloro-1-propene	41	6.978	6.967	0.011	34	2535	0.0100	0.0159	M
13 Methylene Chloride	49	7.261	7.256	0.005	91	9327	0.0100	0.0553	
14 Methyl tert-butyl ether	73	7.695	7.652	0.043	95	4316	0.0100	0.0115	
15 trans-1,2-Dichloroethene	61	7.705	7.695	0.011	87	2304	0.0100	0.0116	
16 Hexane	57	8.069	8.064	0.005	91	2519	0.0100	0.0132	
17 1,1-Dichloroethane	63	8.497	8.486	0.011	0	2837	0.0100	0.0118	M
S 18 1,2-Dichloroethene, Total	61				0		0.0201	0.0249	
19 cis-1,2-Dichloroethene	96	9.449	9.439	0.010	90	1928	0.0100	0.0133	
* 20 Chlorobromomethane	128	9.818	9.813	0.005	80	649157	2.00	2.00	
21 Chloroform	83	9.915	9.904	0.011	77	3751	0.0100	0.0116	
22 1,1,1-Trichloroethane	97	10.155	10.155	0.000	92	4496	0.0100	0.0119	
23 Cyclohexane	84	10.172	10.161	0.011	72	2385	0.0100	0.0124	
24 Carbon tetrachloride	117	10.364	10.364	0.000	96	4656	0.0100	0.0114	
25 Isooctane	57	10.674	10.674	0.000	95	6810	0.0100	0.0112	
26 Benzene	78	10.701	10.696	0.005	92	5768	0.0100	0.0136	
27 1,2-Dichloroethane	62	10.824	10.803	0.021	1	2106	0.0100	0.0105	M
28 n-Heptane	43	10.947	10.942	0.005	90	2889	0.0100	0.0122	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	94	2557843	2.00	2.00	
30 Trichloroethene	95	11.648	11.637	0.011	50	2510	0.0100	0.0127	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.006	12.001	0.005	30	1705	0.0100	0.0122	M
32 Dichlorobromomethane	83	12.376	12.376	0.000	95	3097	0.0100	0.0102	
33 cis-1,3-Dichloropropene	75	13.018	13.012	0.006	93	2223	0.0100	0.0110	
34 Toluene	92	13.440	13.435	0.005	92	3315	0.0100	0.0112	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	29	2076	0.0100	0.0103	M
36 1,1,2-Trichloroethane	83	14.082	14.077	0.005	88	1531	0.0100	0.0113	
37 Tetrachloroethene	166	14.211	14.205	0.006	93	3428	0.0100	0.0118	
38 Chlorodibromomethane	129	14.639	14.628	0.011	94	3141	0.0100	0.0113	
39 Ethylene Dibromide	107	14.836	14.831	0.005	92	3058	0.0100	0.0123	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2707838	2.00	2.00	
41 Chlorobenzene	112	15.446	15.452	-0.006	83	4877	0.0100	0.0126	
42 Ethylbenzene	91	15.537	15.526	0.011	96	7204	0.0100	0.0114	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	5824	0.0201	0.0224	
S 44 Xylenes, Total	106				0		0.0301	0.0343	
45 o-Xylene	106	16.206	16.201	0.005	96	2951	0.0100	0.0119	
46 Bromoform	173	16.516	16.522	-0.006	49	2108	0.0100	0.009838	M
47 1,1,2,2-Tetrachloroethane	83	17.046	17.040	0.006	59	3933	0.0100	0.0112	M
48 4-Ethyltoluene	105	17.244	17.238	0.006	96	7438	0.0100	0.0110	
49 1,3,5-Trimethylbenzene	105	17.313	17.308	0.005	93	6382	0.0100	0.0107	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	96	5566	0.0100	0.009154	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATT15LLCAL1w_00061

Amount Added: 100.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 13-Jan-2016 10:44:39

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 18

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

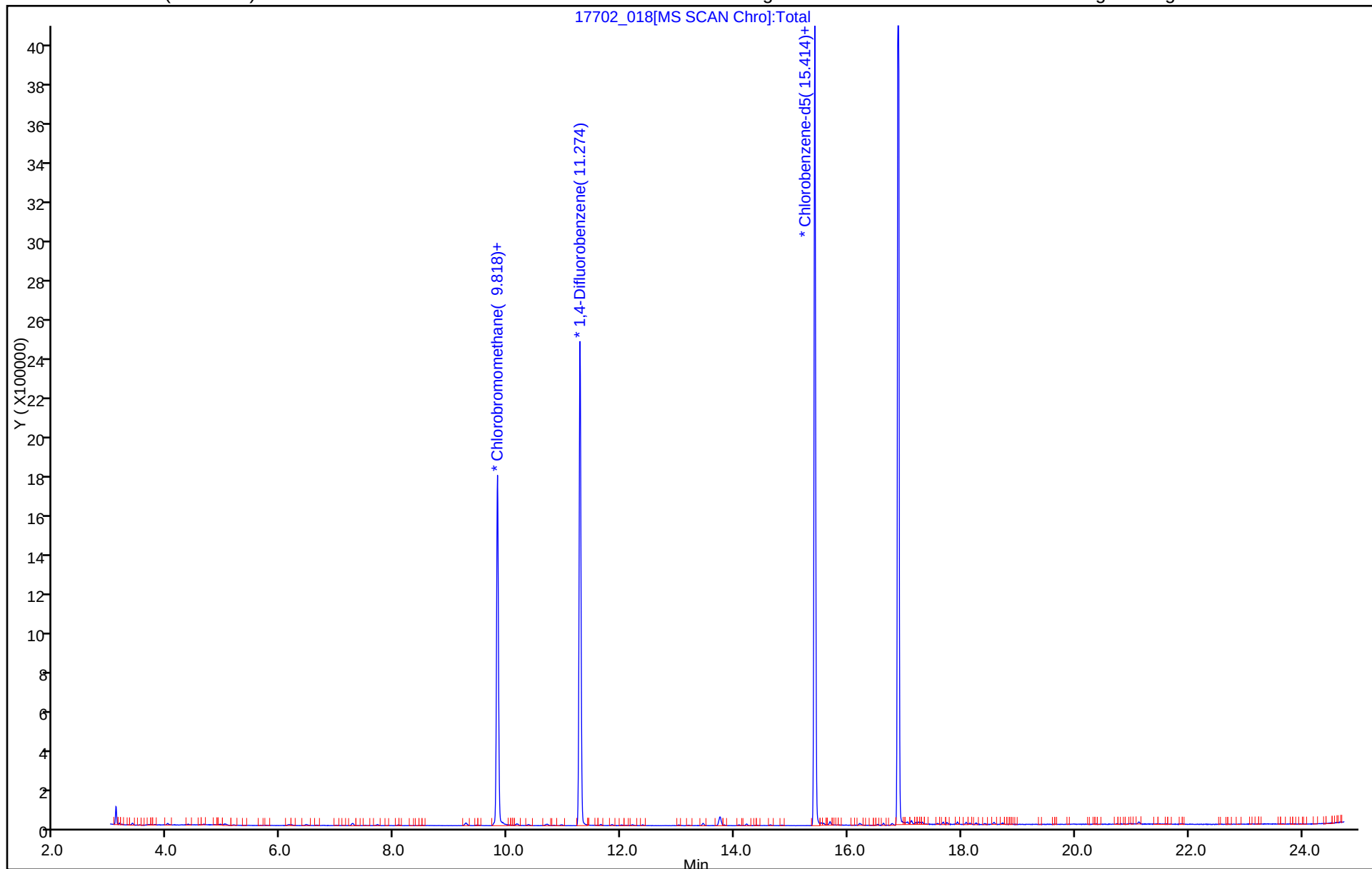
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



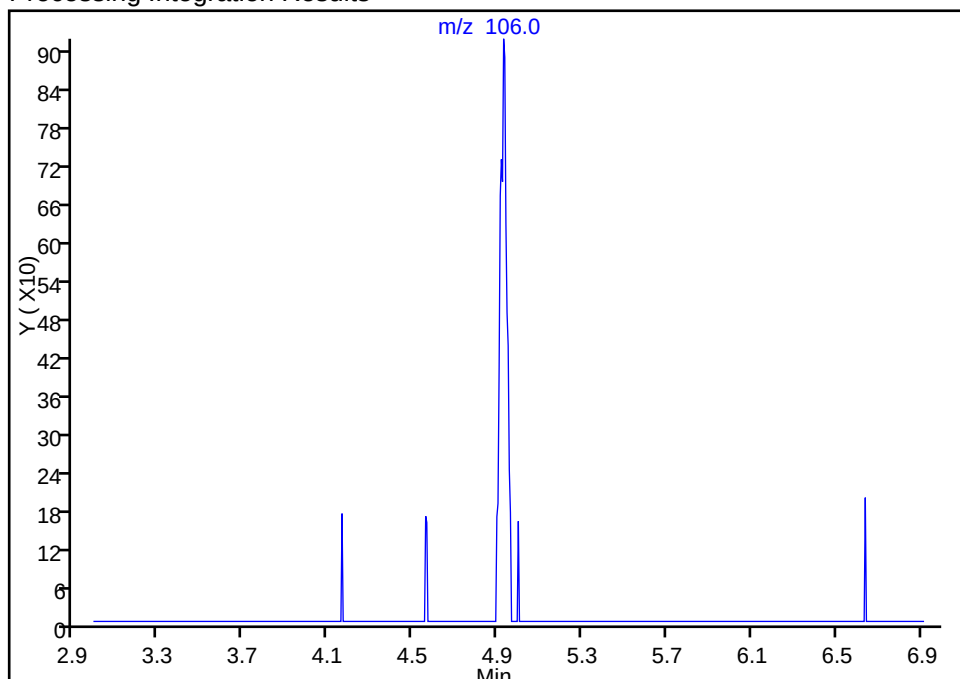
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

8 Vinyl bromide, CAS: 593-60-2

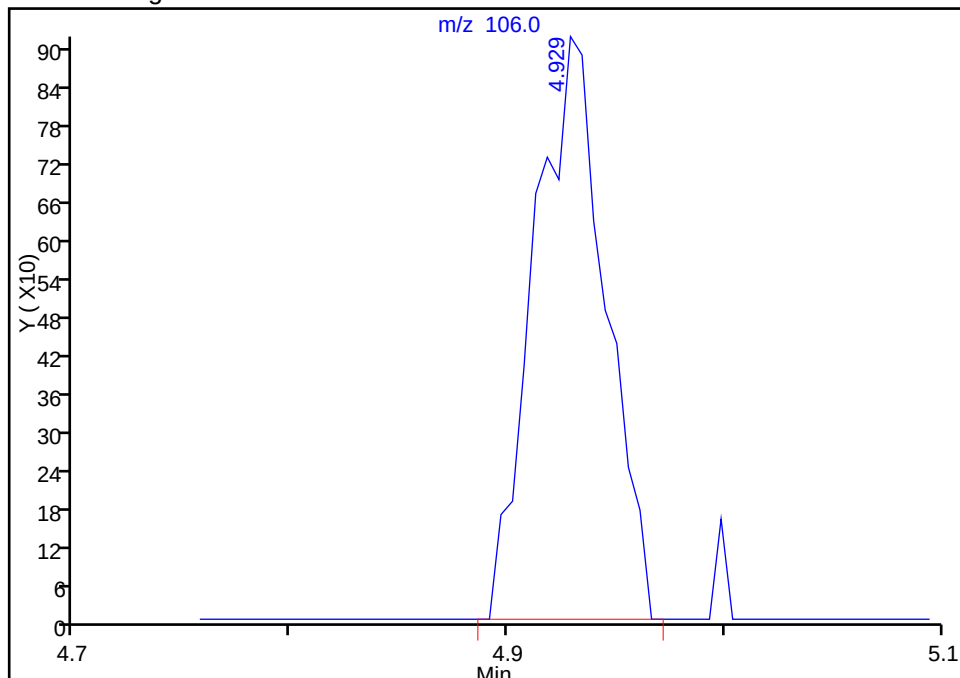
Not Detected
Expected RT: 4.92

Processing Integration Results



RT: 4.93
Area: 2110
Amount: 0.012528
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#:

18

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

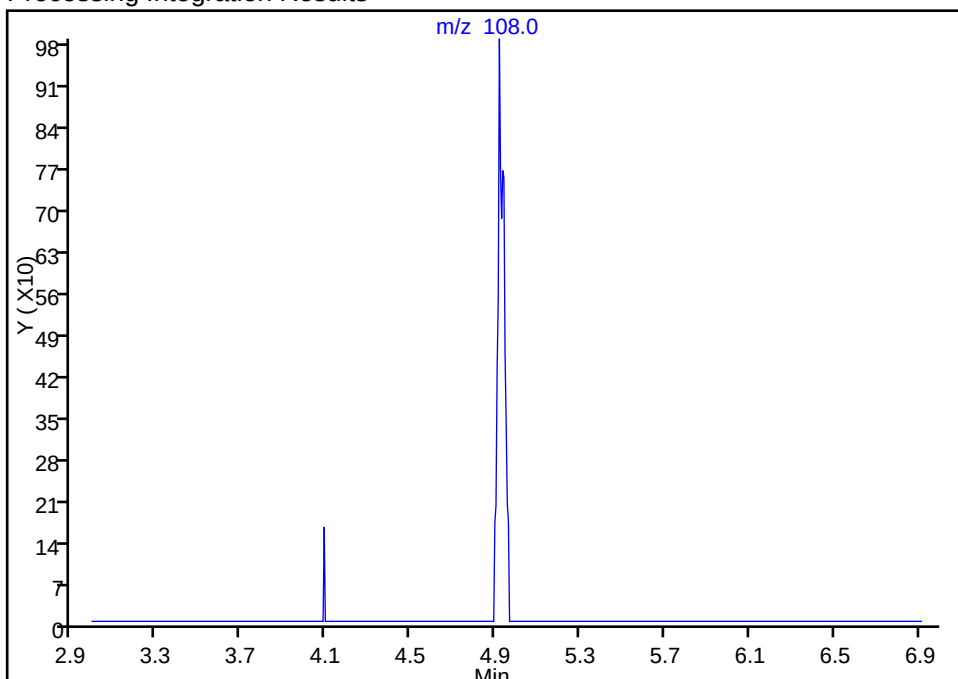
MS SCAN

8 Vinyl bromide, CAS: 593-60-2

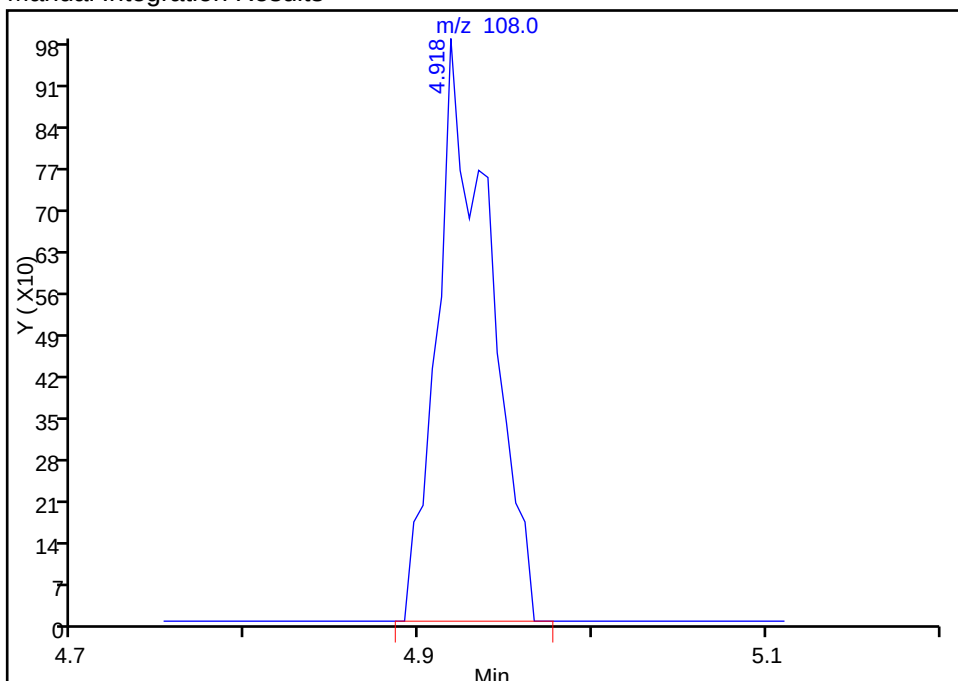
Not Detected

Expected RT: 4.92

Processing Integration Results



Manual Integration Results



RT: 4.92

Area: 2057

Amount: 0.012528

Amount Units: ppb v/v

Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#:

18

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

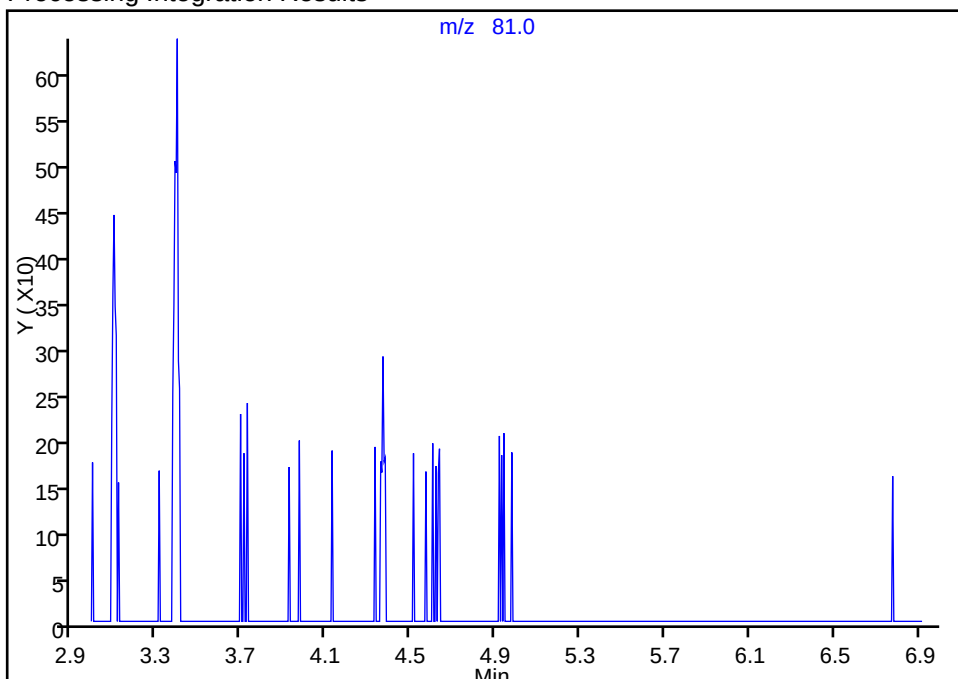
MS SCAN

8 Vinyl bromide, CAS: 593-60-2

Not Detected

Expected RT: 4.92

Processing Integration Results



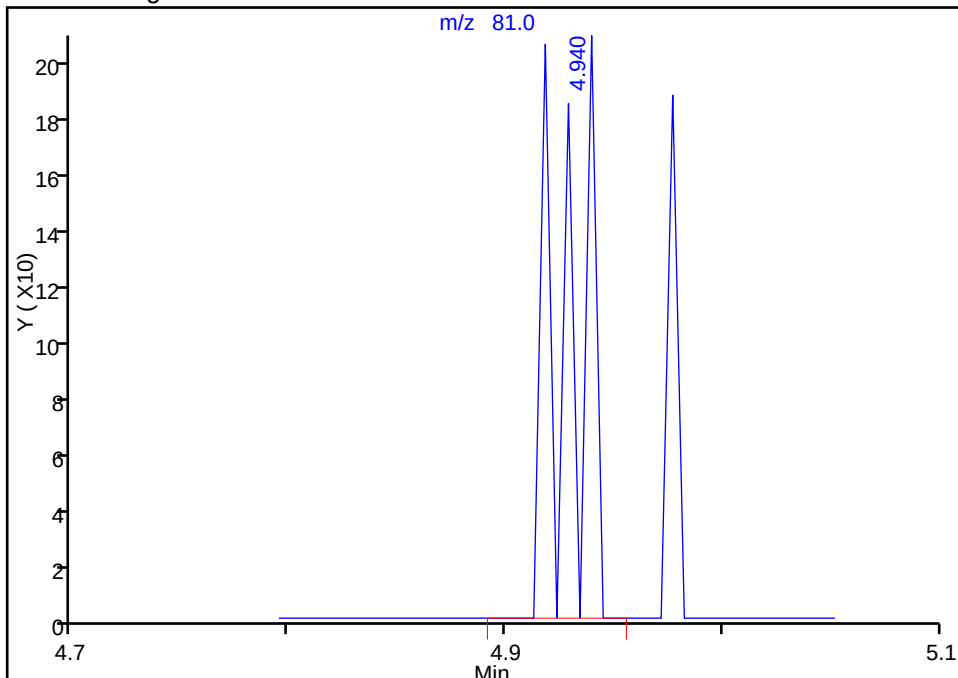
RT: 4.94

Area: 190

Amount: 0.012528

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

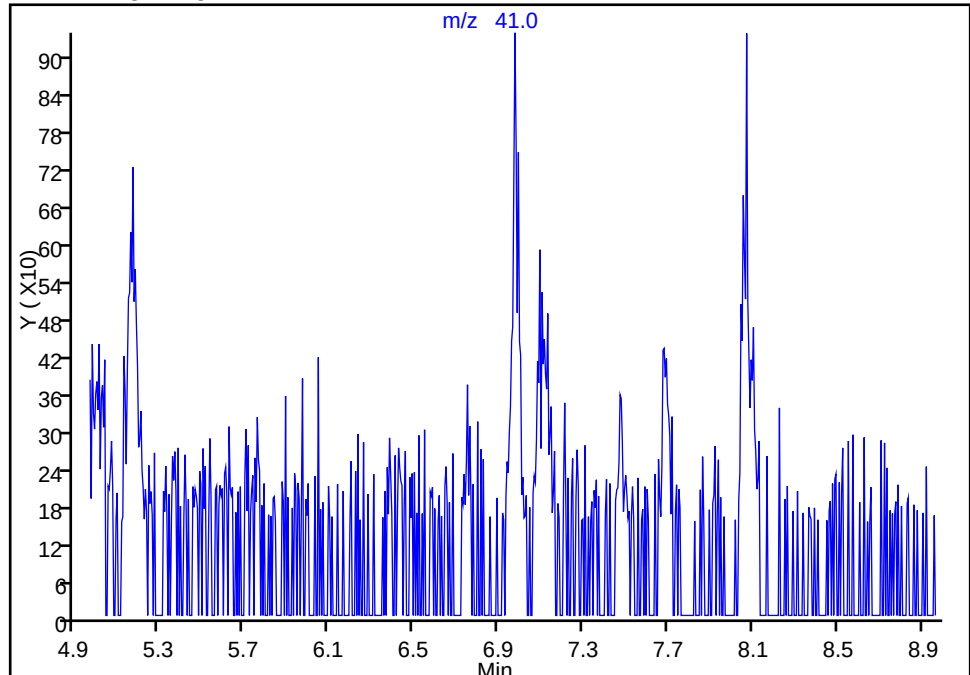
Detector: MS SCAN

12 3-Chloro-1-propene, CAS: 107-05-1

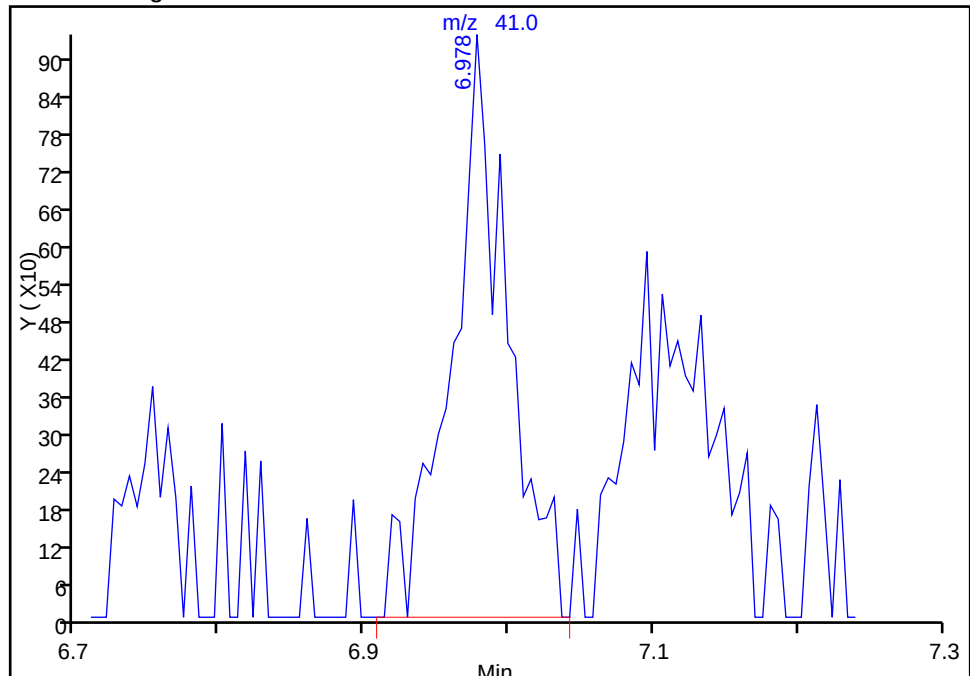
Not Detected

Expected RT: 6.97

Processing Integration Results



Manual Integration Results



RT: 6.98

Area: 2535

Amount: 0.015939

Amount Units: ppb v/v

Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

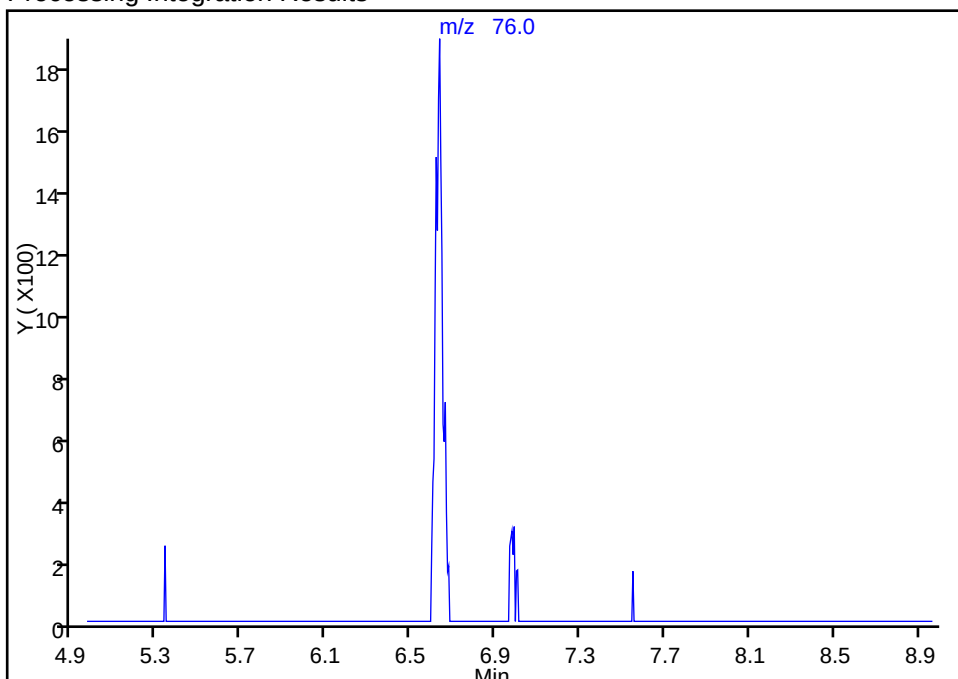
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

12 3-Chloro-1-propene, CAS: 107-05-1

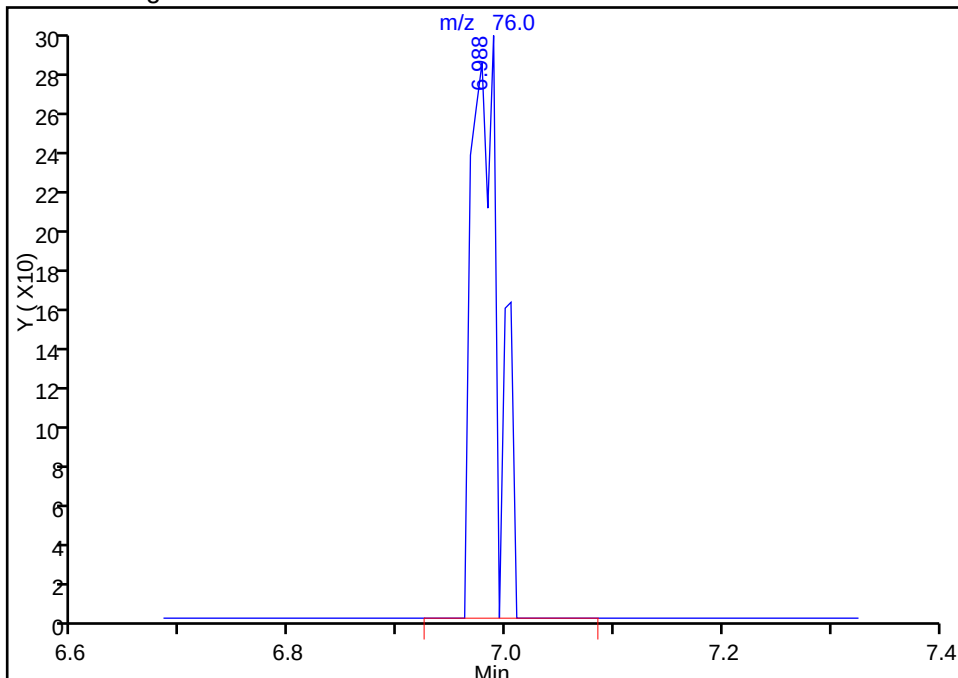
Not Detected
Expected RT: 6.97

Processing Integration Results



RT: 6.99
Area: 515
Amount: 0.015939
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

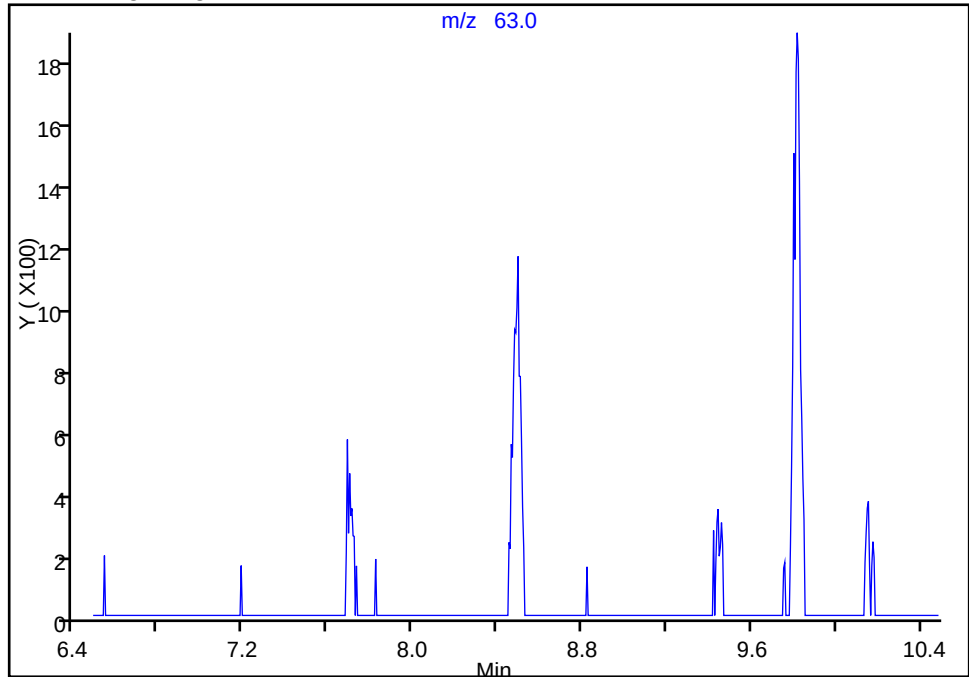
Detector: MS SCAN

17 1,1-Dichloroethane, CAS: 75-34-3

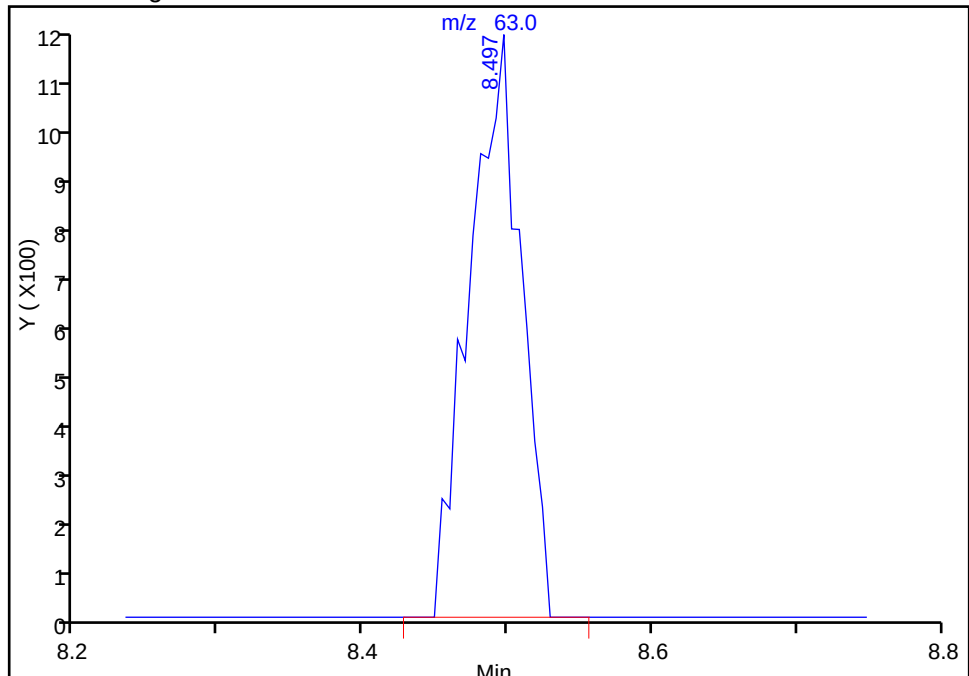
Not Detected

Expected RT: 8.49

Processing Integration Results



Manual Integration Results



RT: 8.50

Area: 2837

Amount: 0.011818

Amount Units: ppb v/v

Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

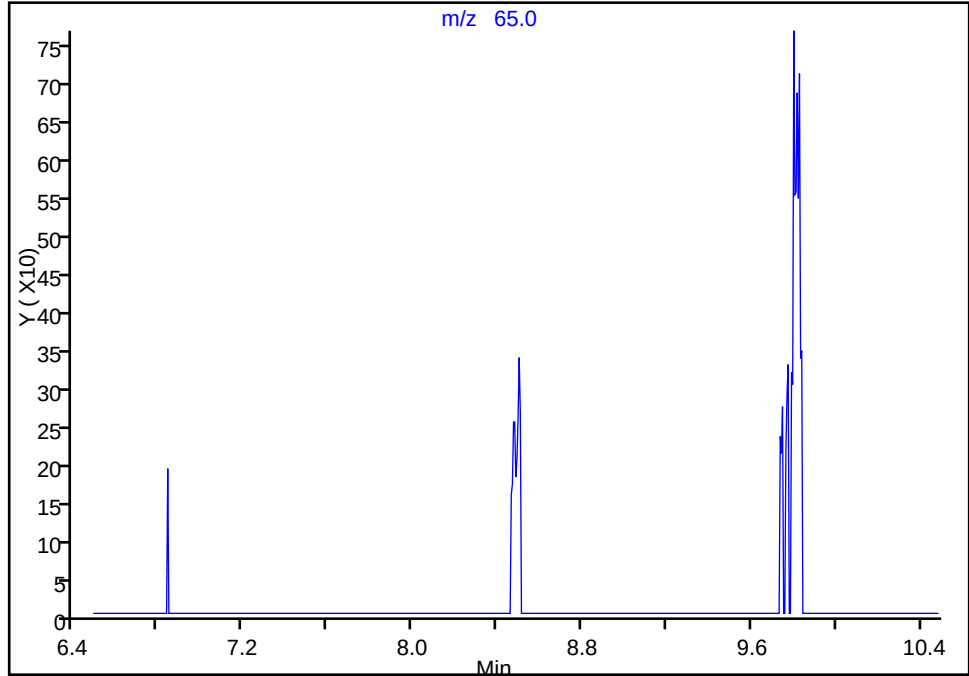
MS SCAN

17 1,1-Dichloroethane, CAS: 75-34-3

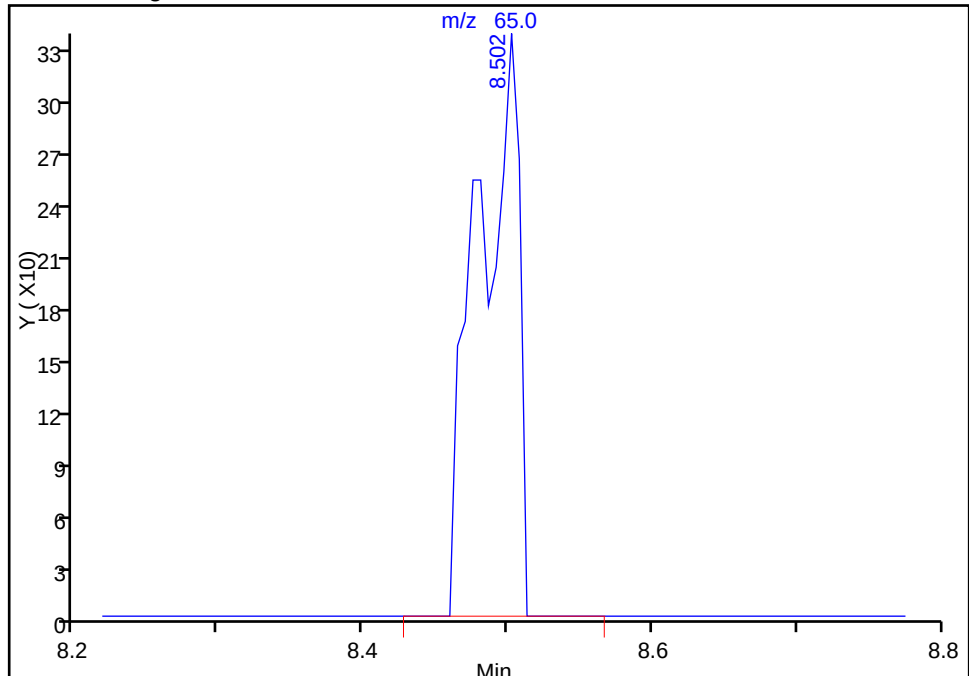
Not Detected

Expected RT: 8.49

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

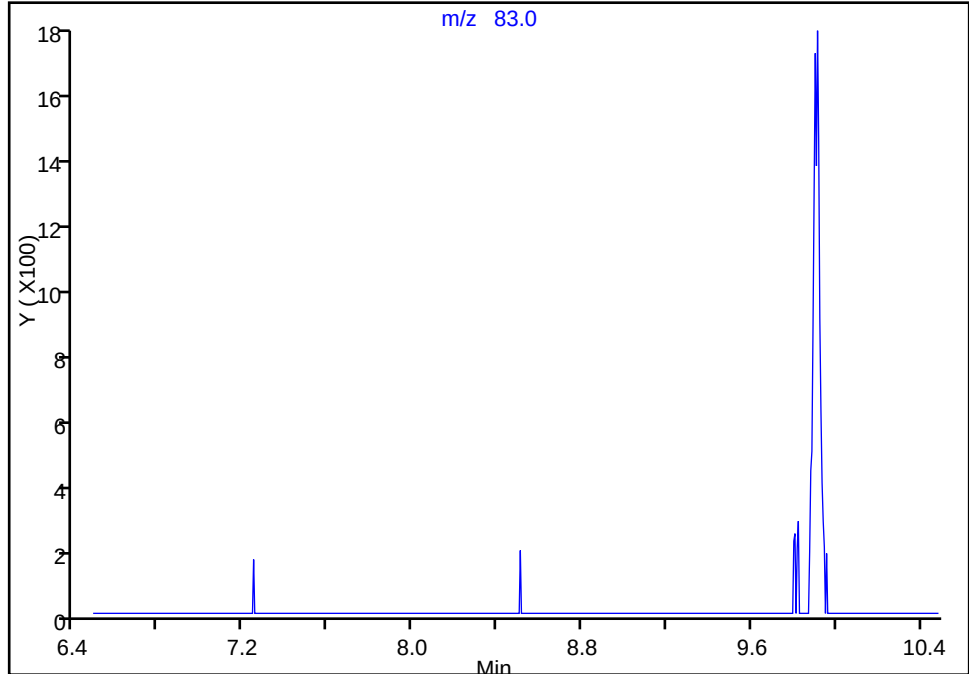
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

17 1,1-Dichloroethane, CAS: 75-34-3

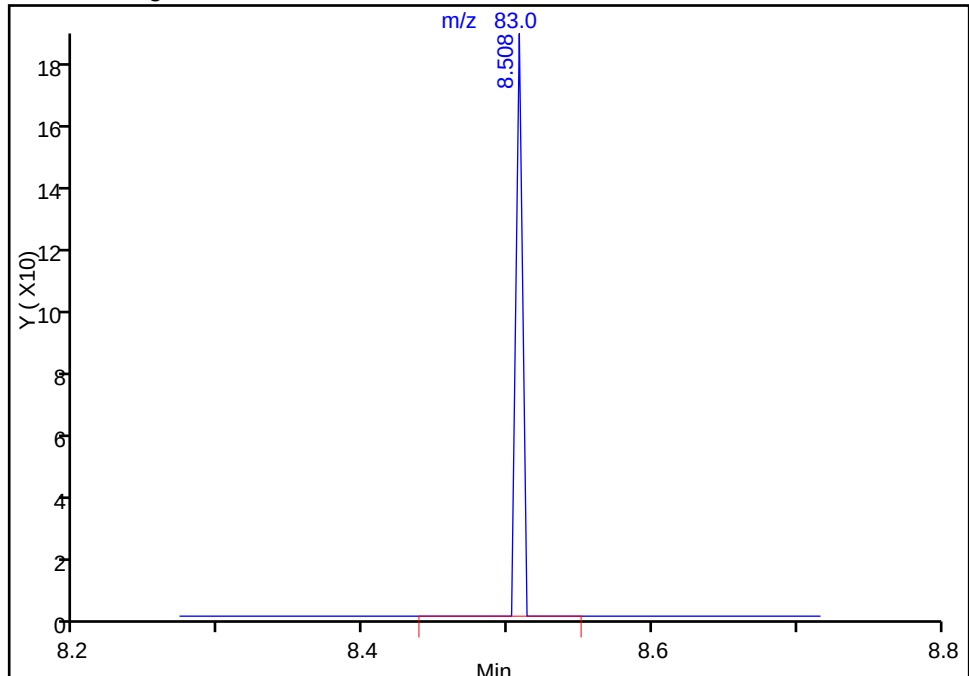
Not Detected
Expected RT: 8.49

Processing Integration Results



RT: 8.51
Area: 60
Amount: 0.011818
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

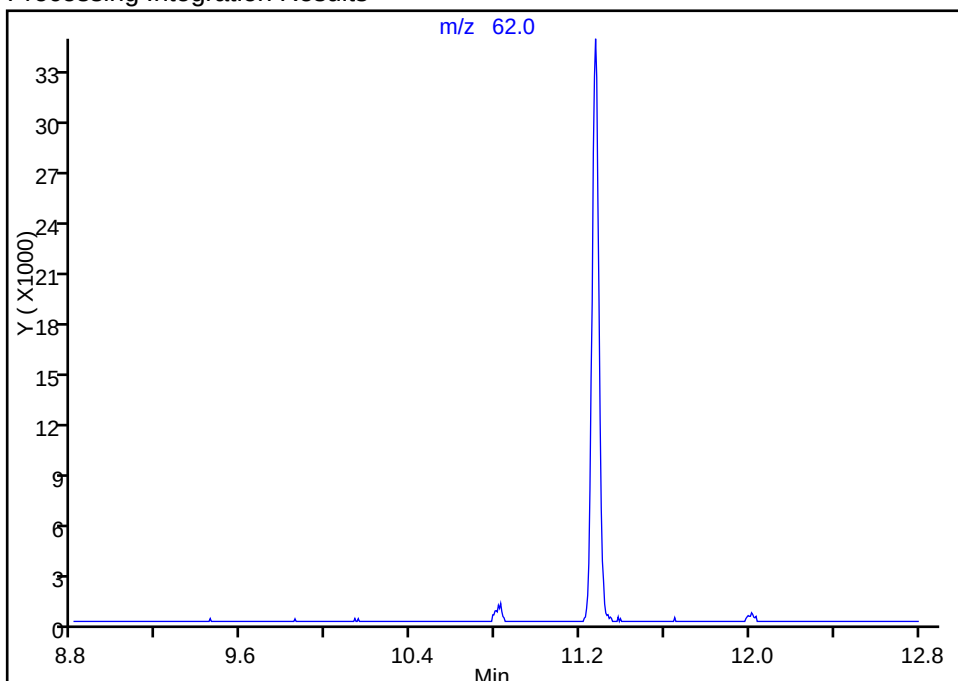
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

27 1,2-Dichloroethane, CAS: 107-06-2

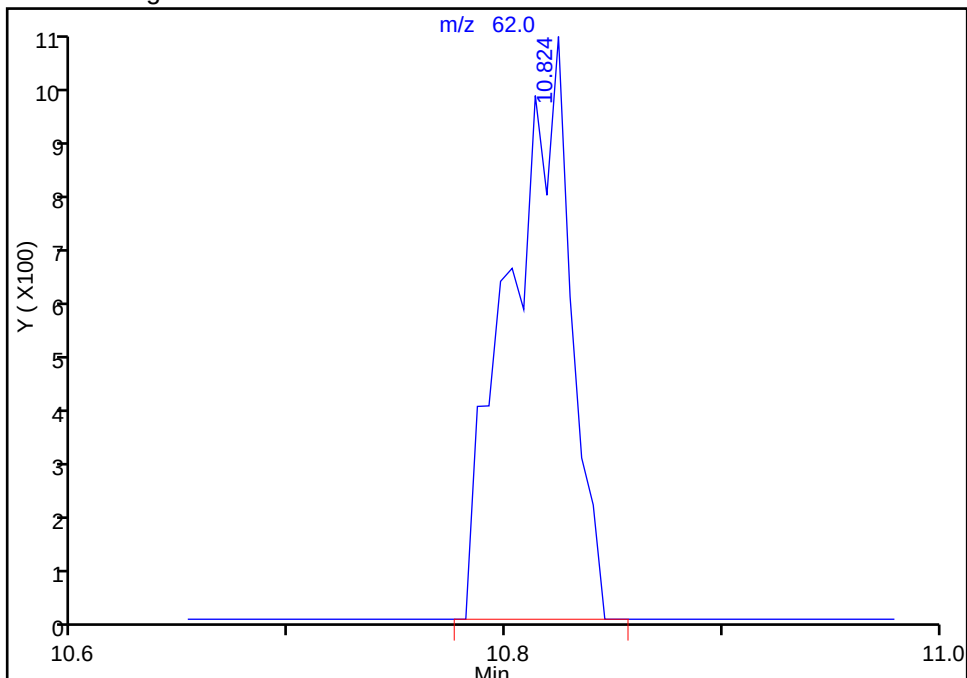
Not Detected
Expected RT: 10.80

Processing Integration Results



RT: 10.82
Area: 2106
Amount: 0.010529
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

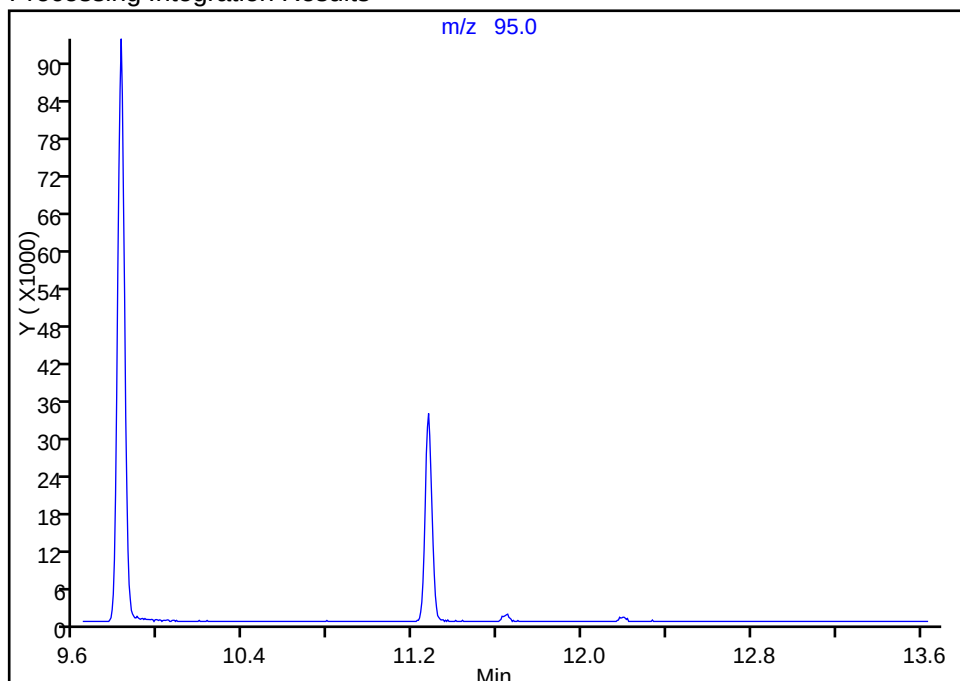
Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

Not Detected

Expected RT: 11.64

Processing Integration Results



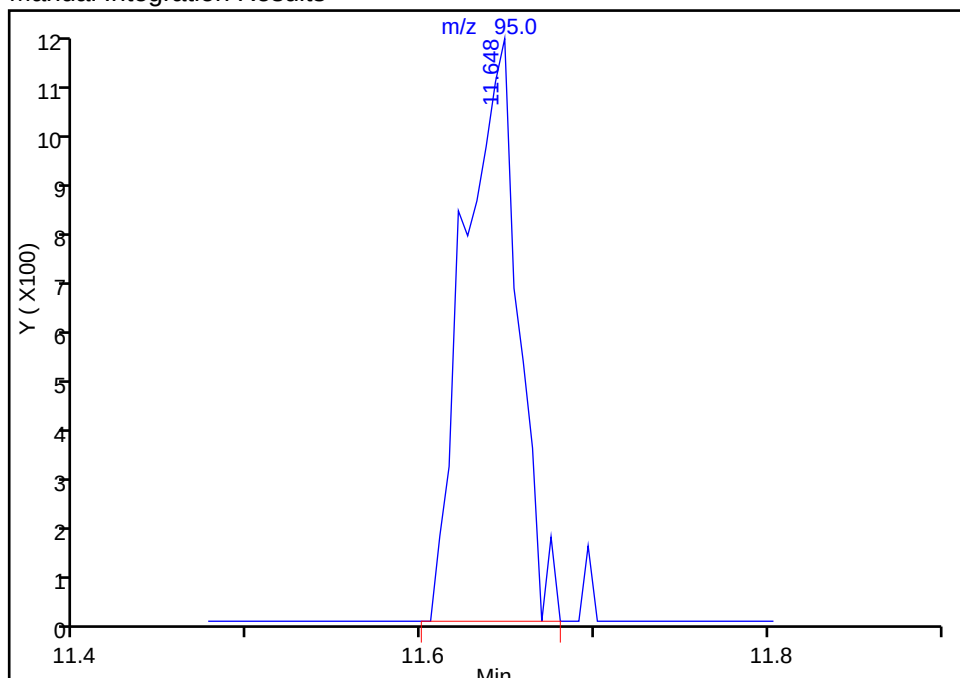
RT: 11.65

Area: 2510

Amount: 0.012690

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#:

18

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

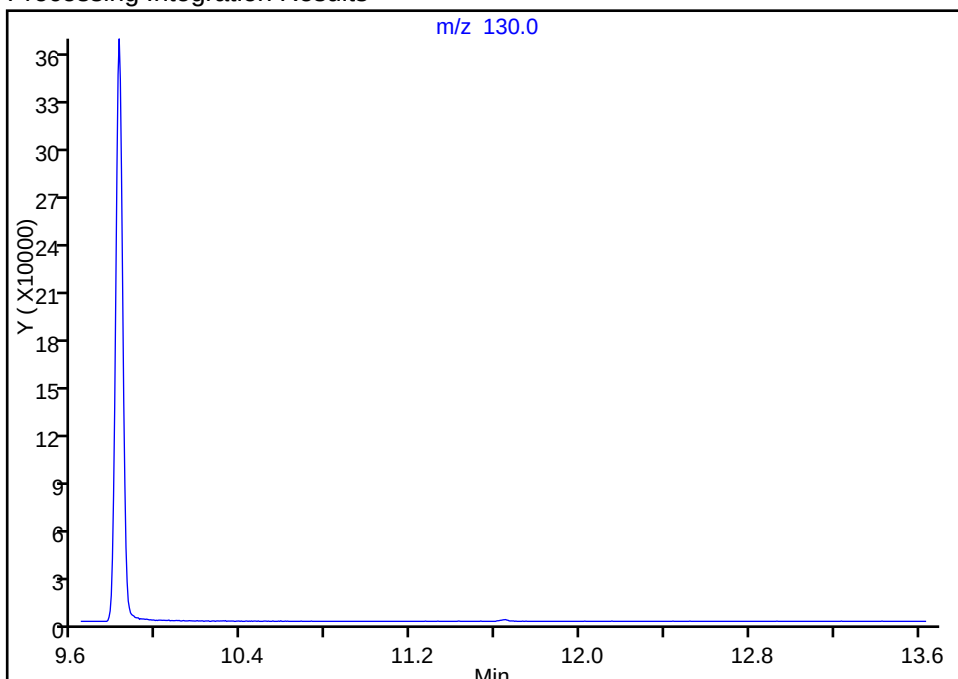
MS SCAN

30 Trichloroethene, CAS: 79-01-6

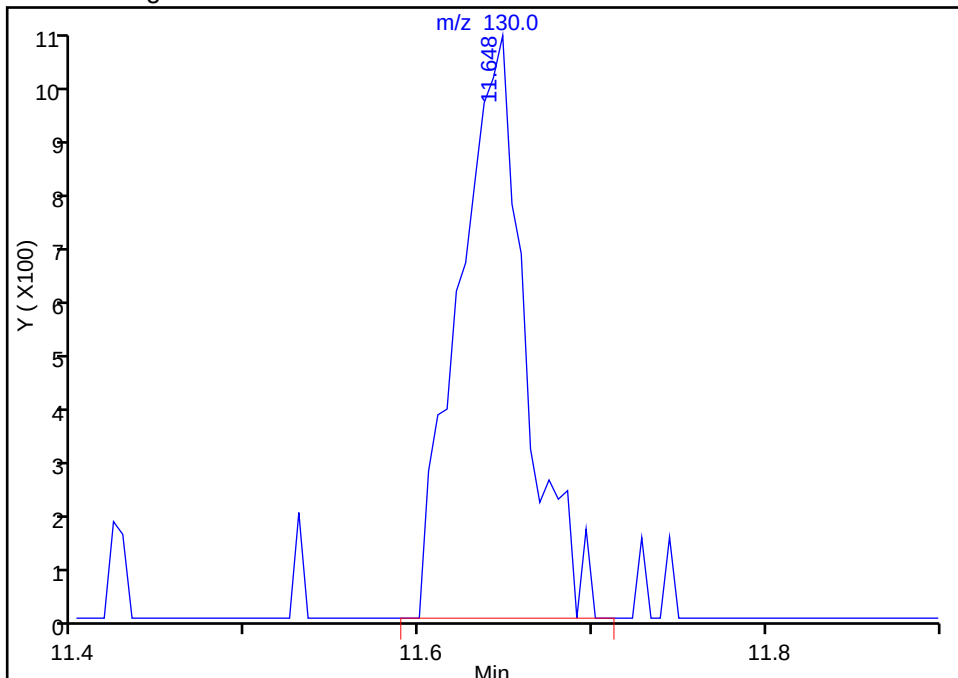
Not Detected

Expected RT: 11.64

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

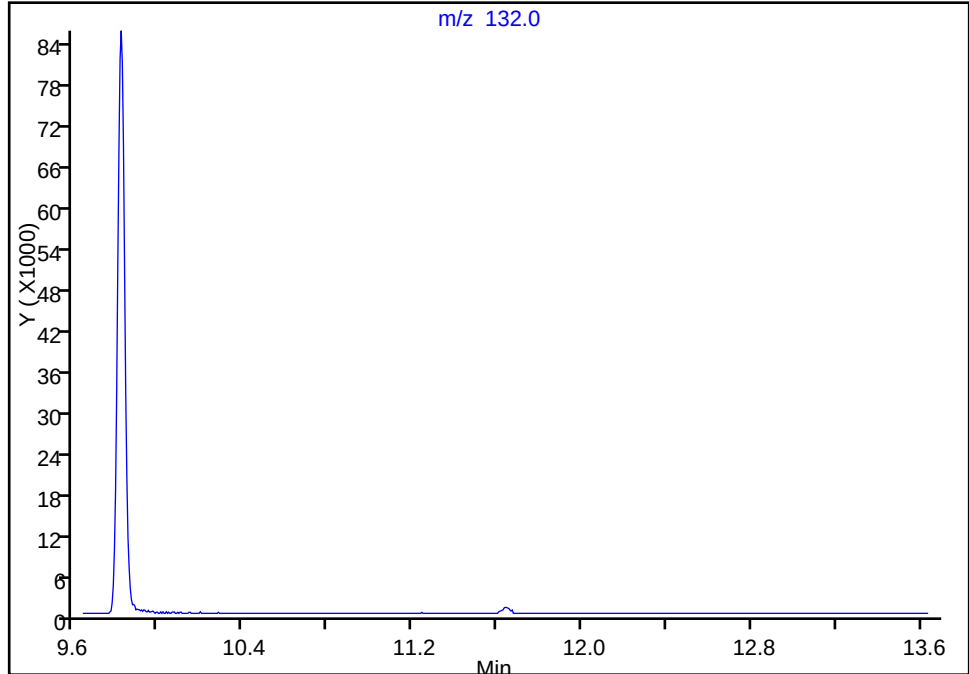
MS SCAN

30 Trichloroethene, CAS: 79-01-6

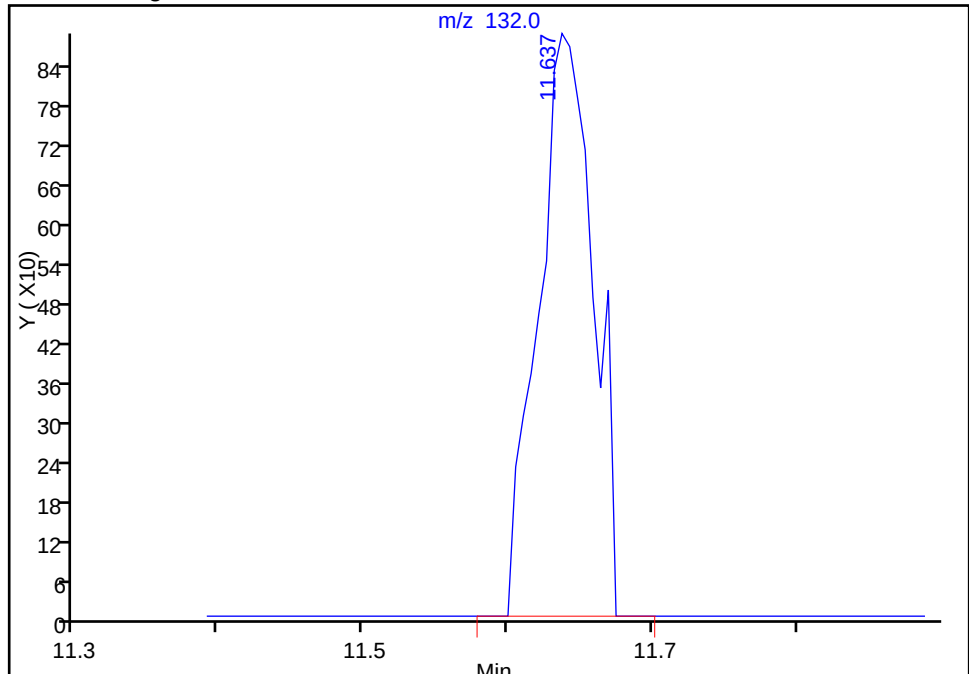
Not Detected

Expected RT: 11.64

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

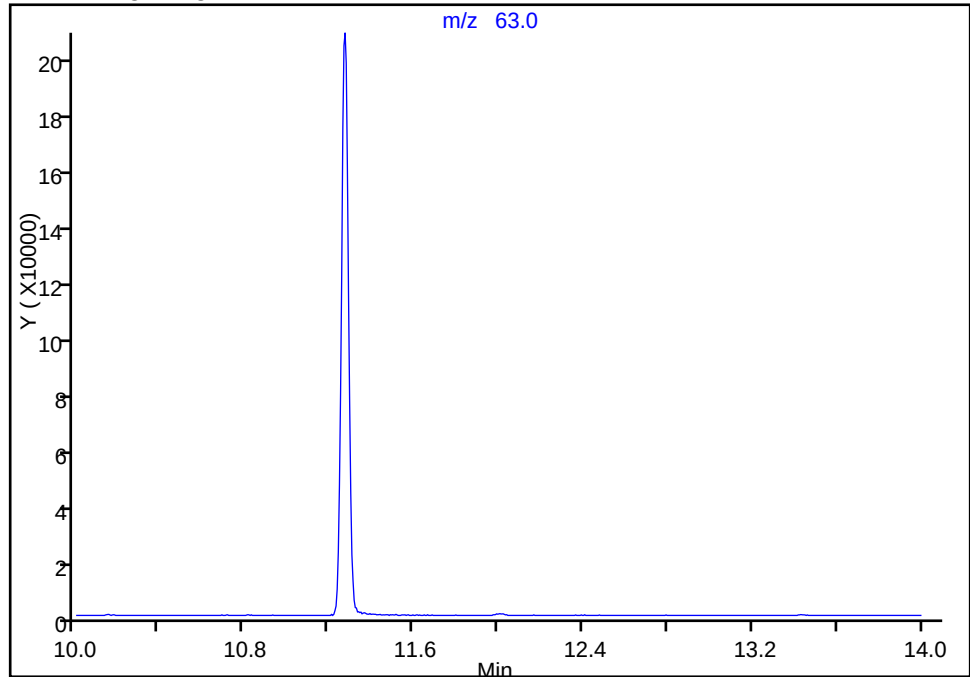
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

31 1,2-Dichloropropane, CAS: 78-87-5

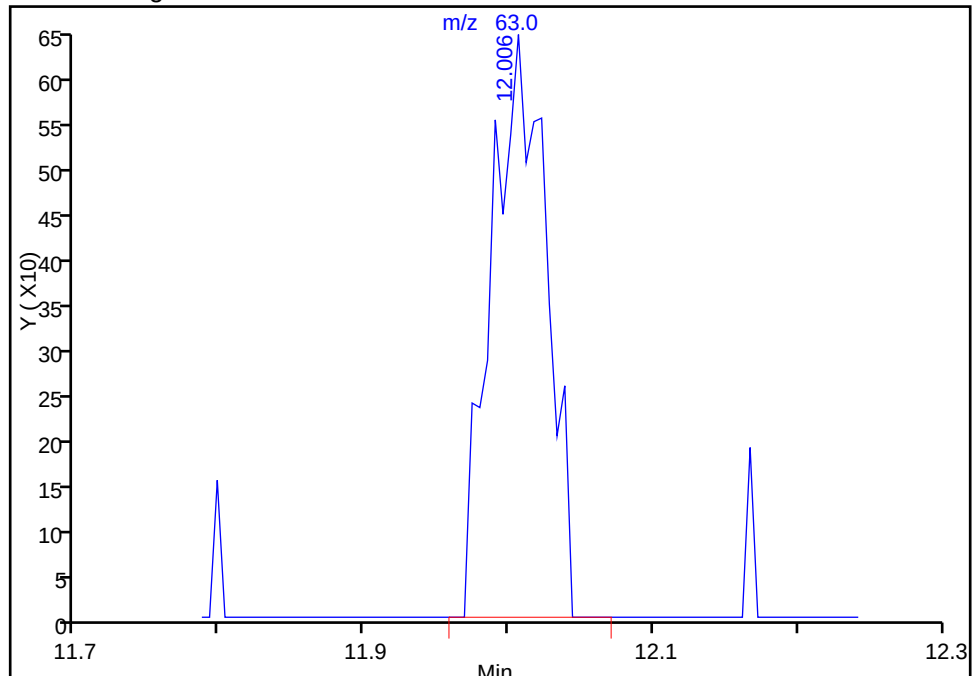
Not Detected
Expected RT: 12.00

Processing Integration Results



RT: 12.01
Area: 1705
Amount: 0.012161
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D

Injection Date: 12-Jan-2016 08:54:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

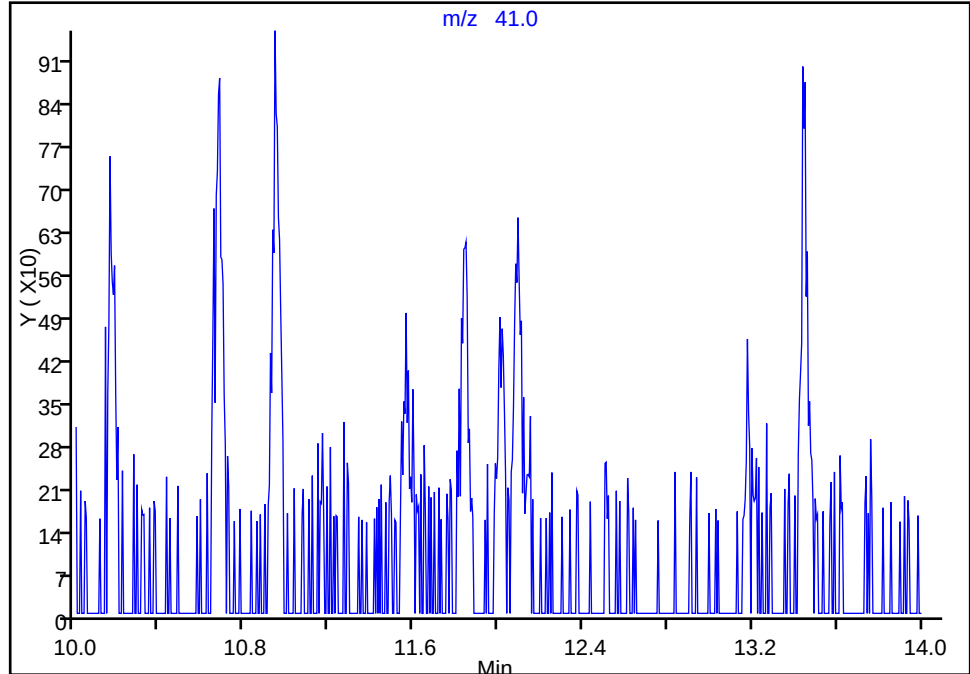
MS SCAN

31 1,2-Dichloropropane, CAS: 78-87-5

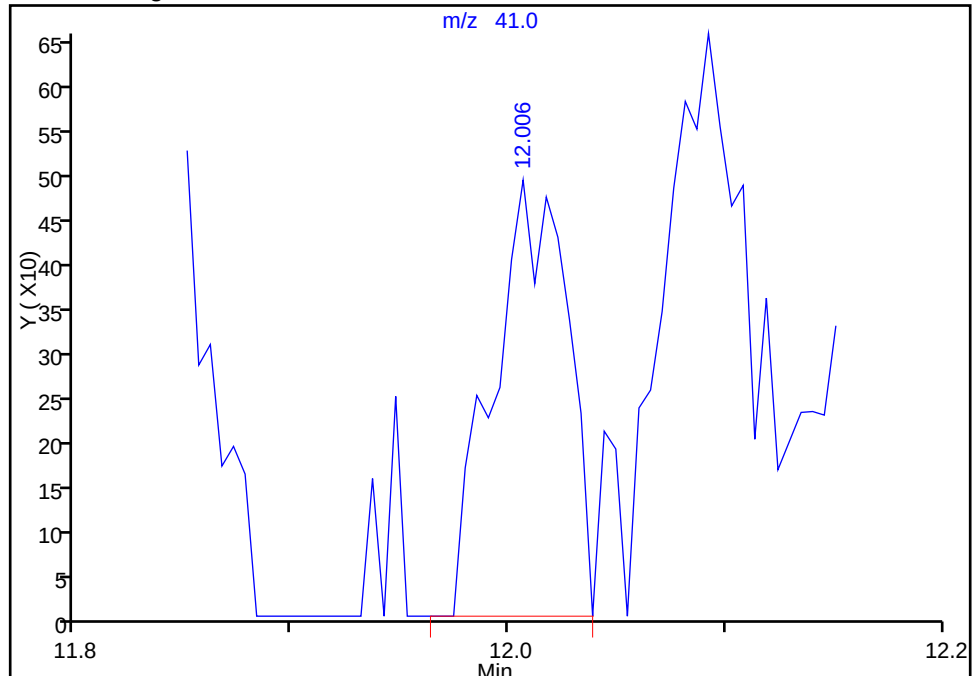
Not Detected

Expected RT: 12.00

Processing Integration Results



Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

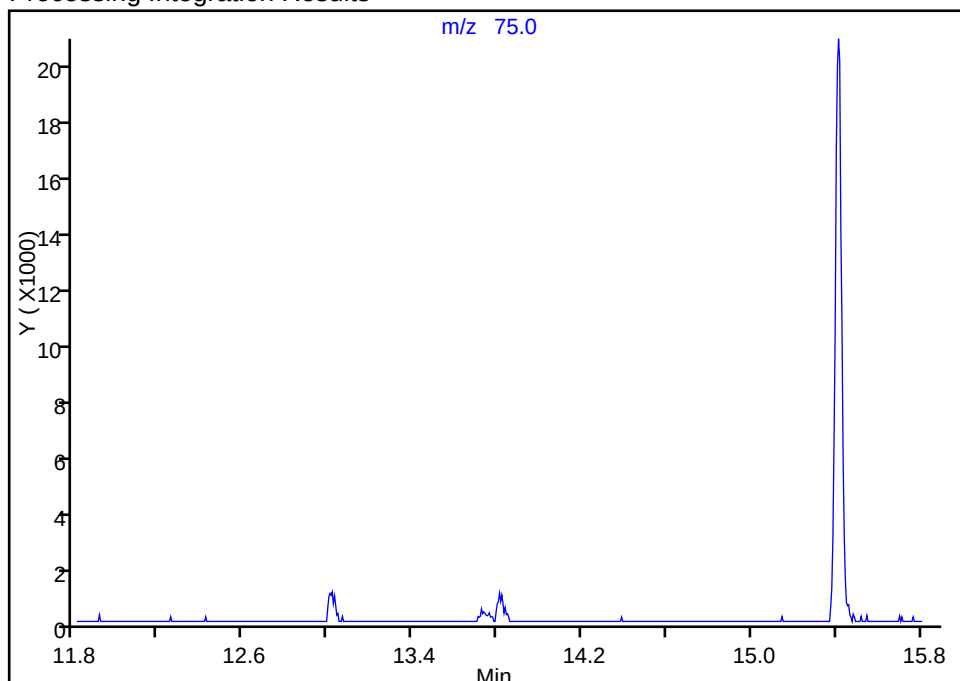
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 trans-1,3-Dichloropropene, CAS: 10061-02-6

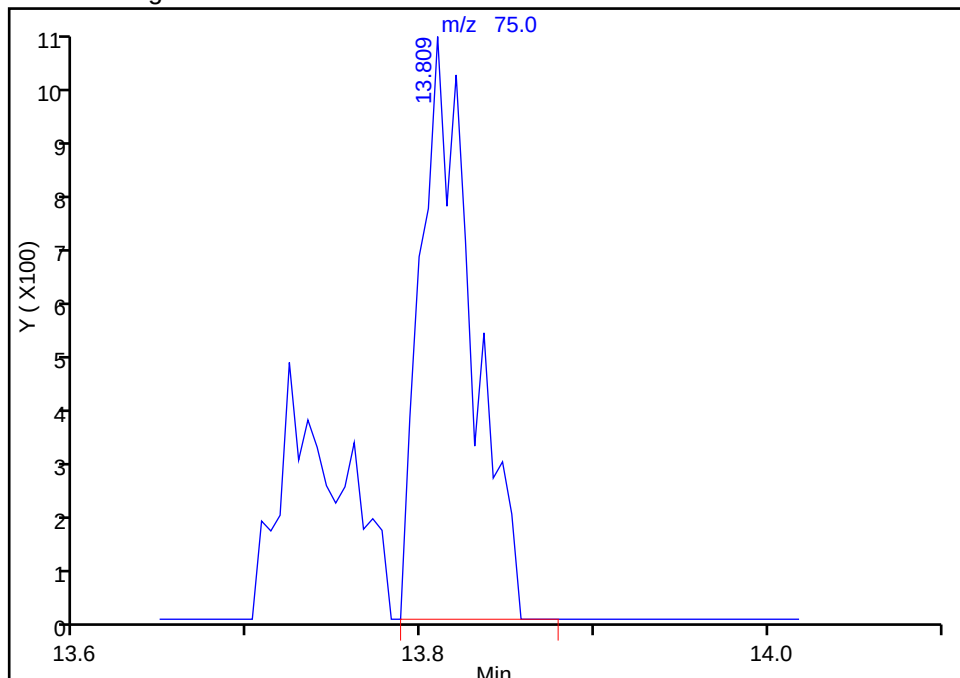
Not Detected
Expected RT: 13.81

Processing Integration Results



RT: 13.81
Area: 2076
Amount: 0.010310
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

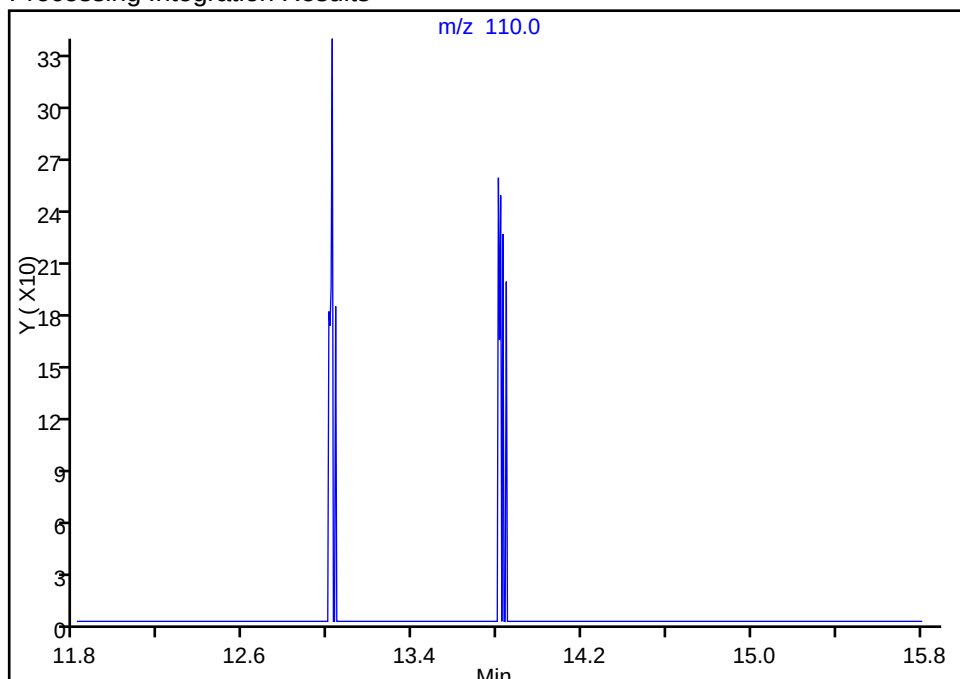
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 trans-1,3-Dichloropropene, CAS: 10061-02-6

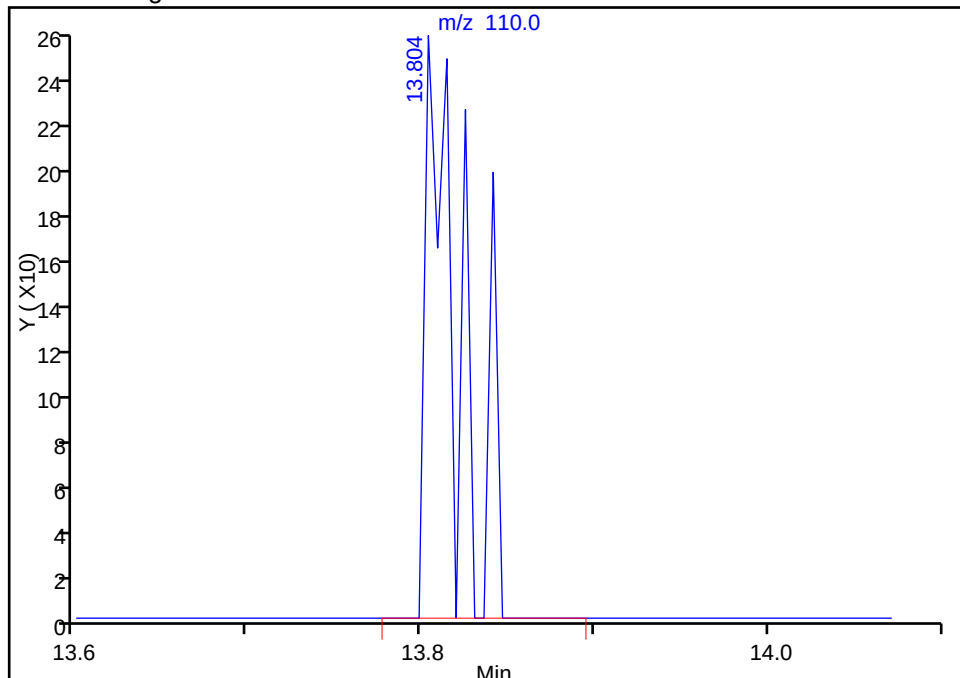
Not Detected
Expected RT: 13.81

Processing Integration Results



RT: 13.80
Area: 343
Amount: 0.010310
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

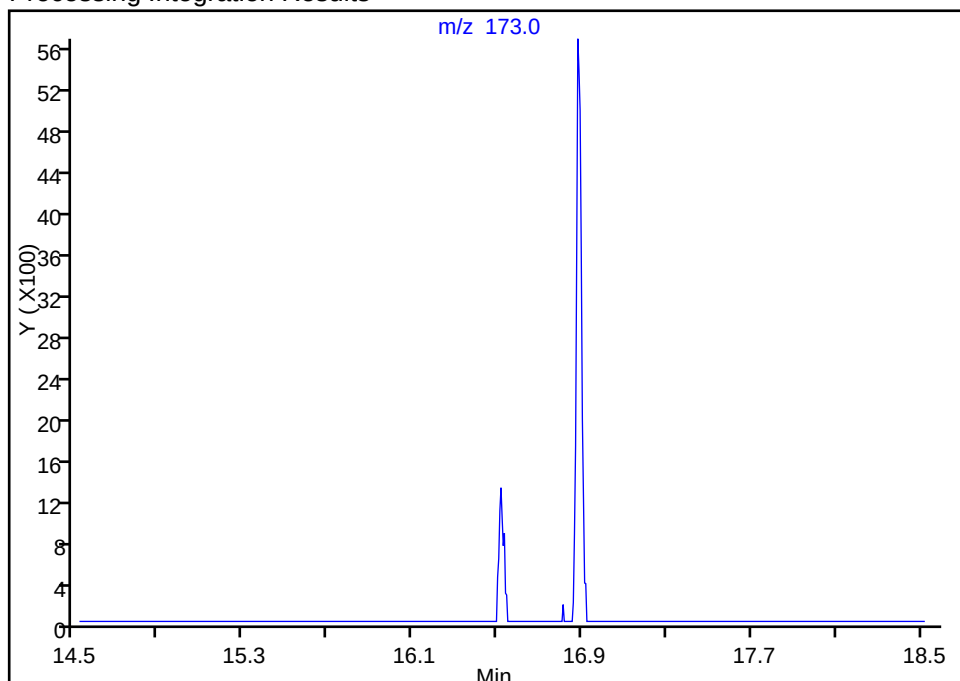
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Bromoform, CAS: 75-25-2

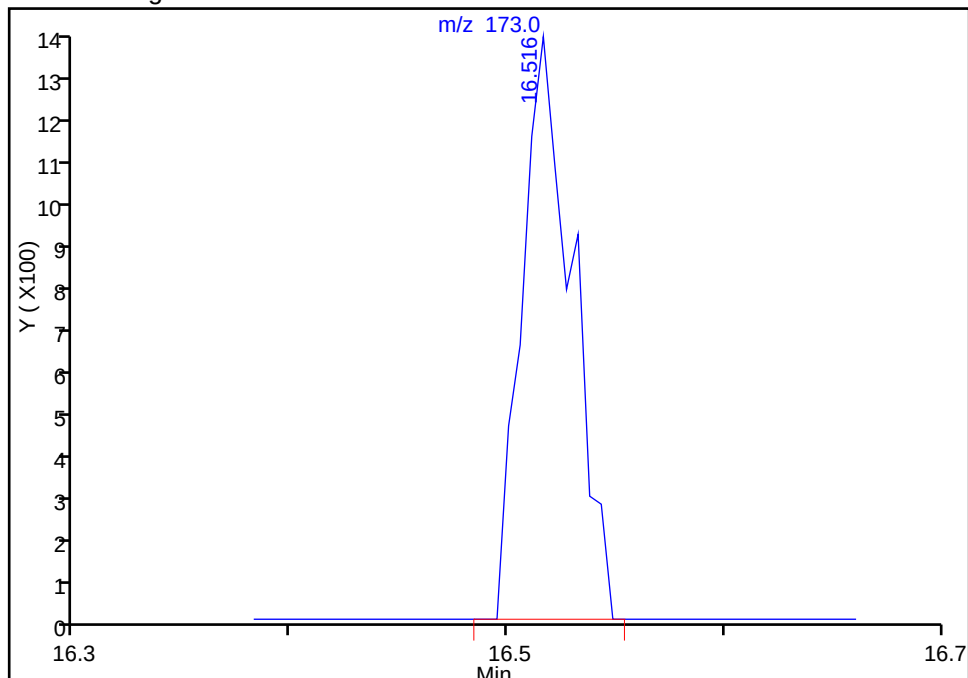
Not Detected
Expected RT: 16.52

Processing Integration Results



RT: 16.52
Area: 2108
Amount: 0.009838
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

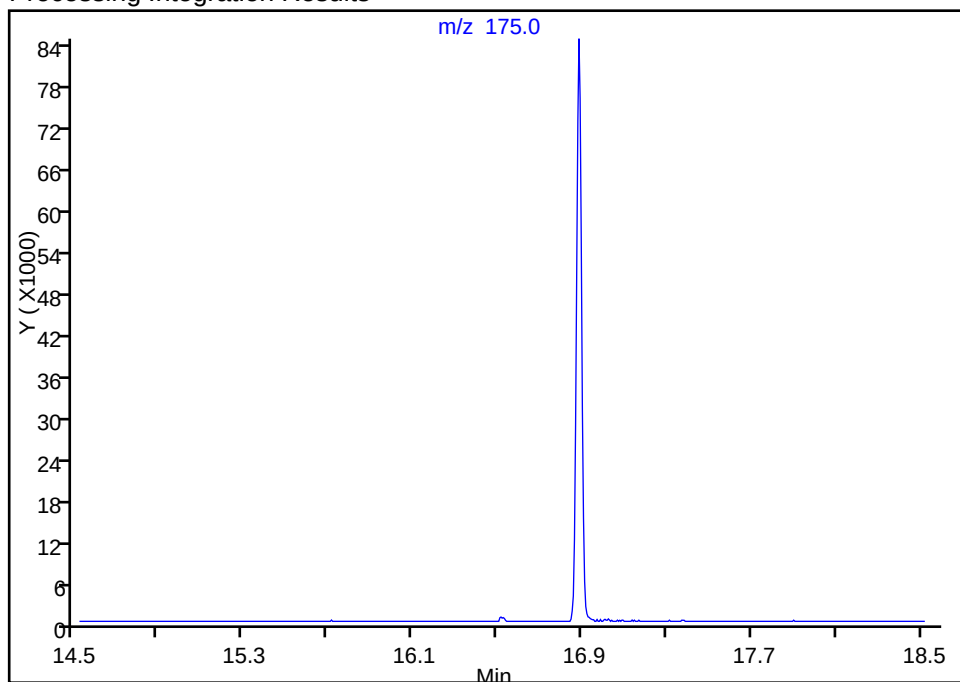
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Bromoform, CAS: 75-25-2

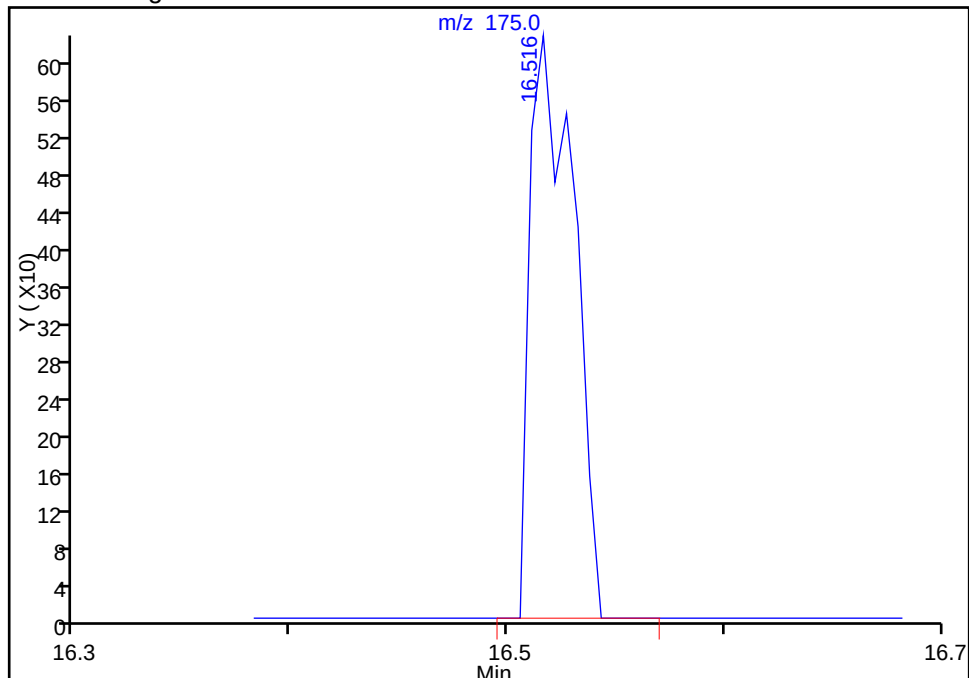
Not Detected
Expected RT: 16.52

Processing Integration Results



RT: 16.52
Area: 879
Amount: 0.009838
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

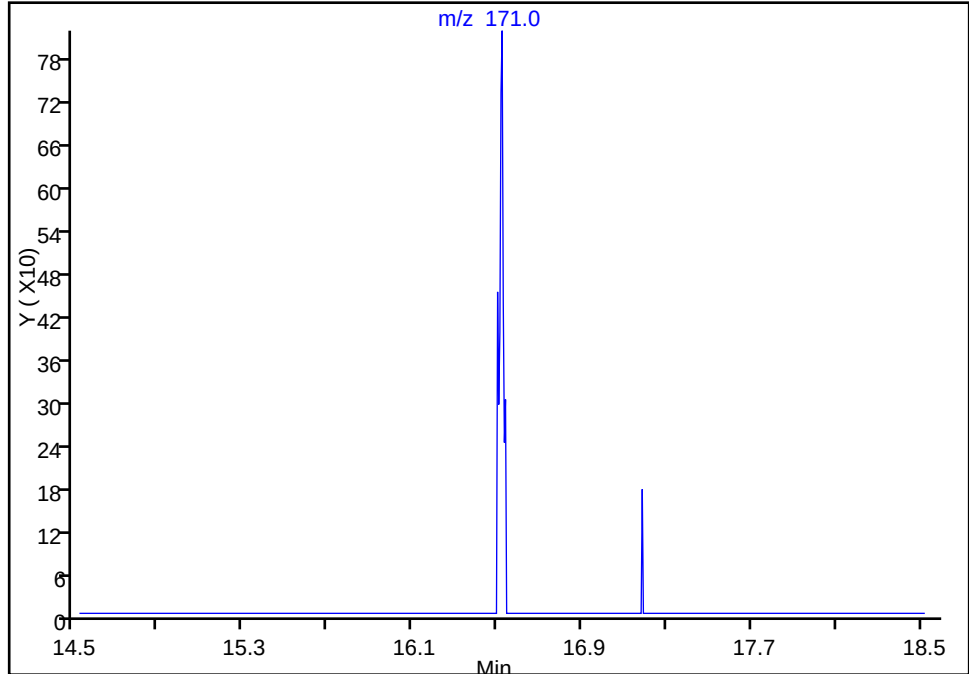
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Bromoform, CAS: 75-25-2

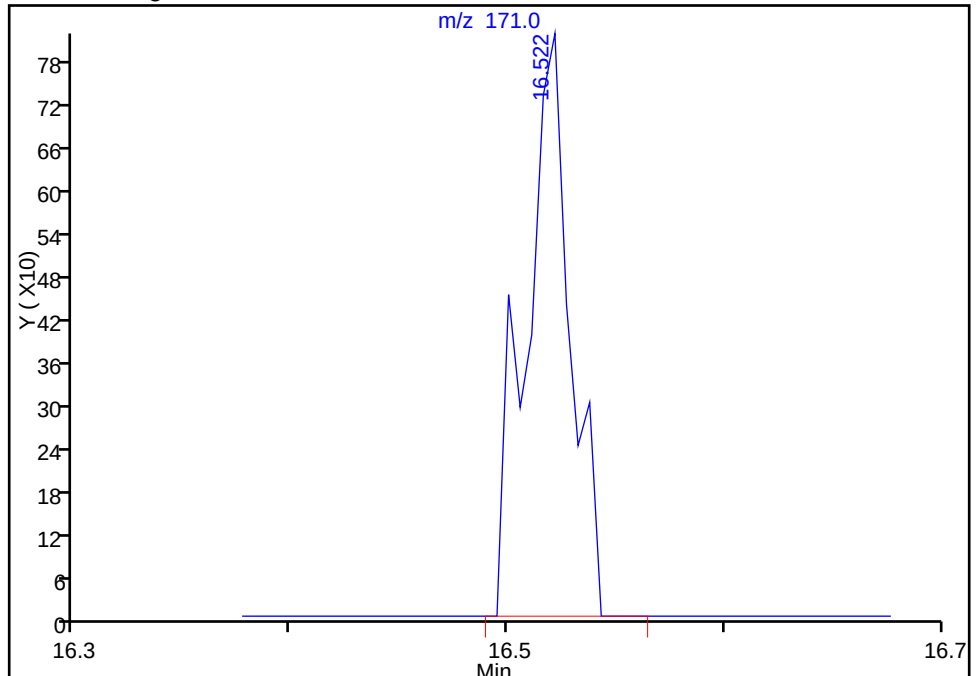
Not Detected
Expected RT: 16.52

Processing Integration Results



RT: 16.52
Area: 1168
Amount: 0.009838
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

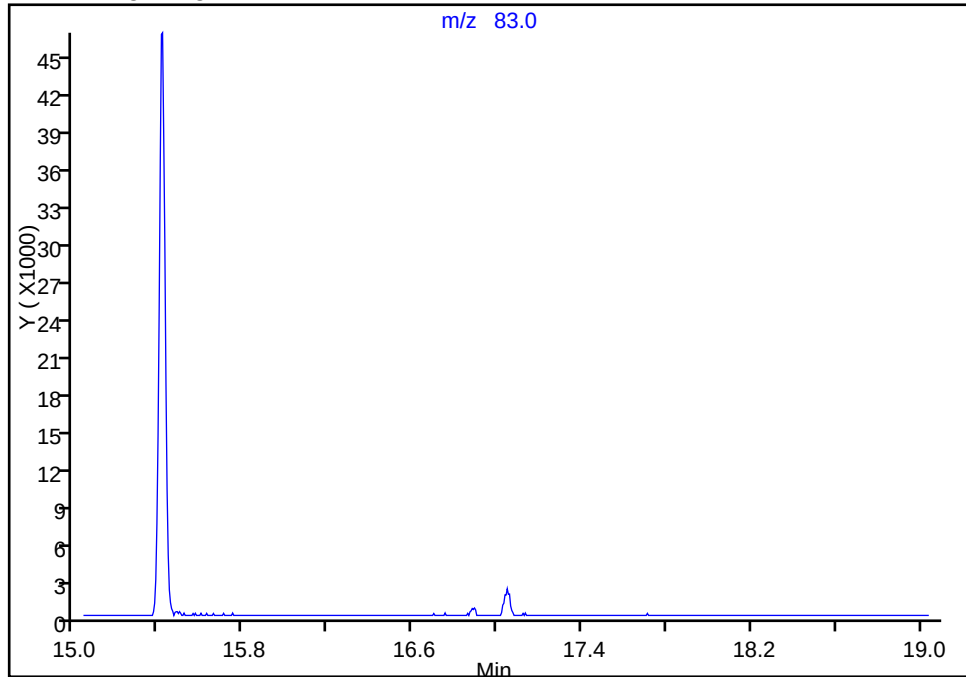
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

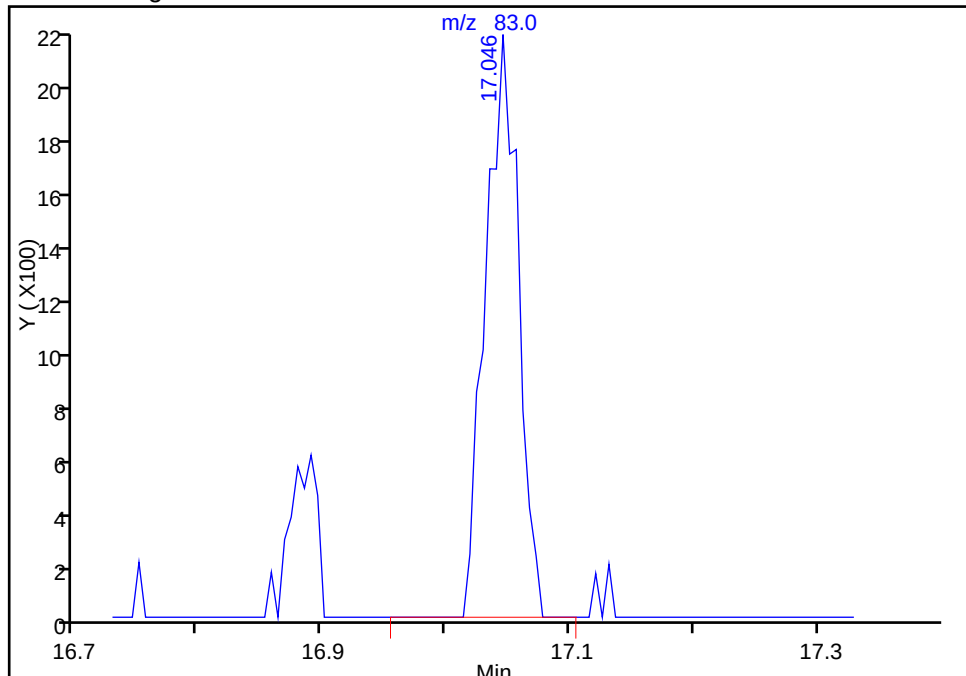
Not Detected
Expected RT: 17.04

Processing Integration Results



RT: 17.05
Area: 3933
Amount: 0.011234
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

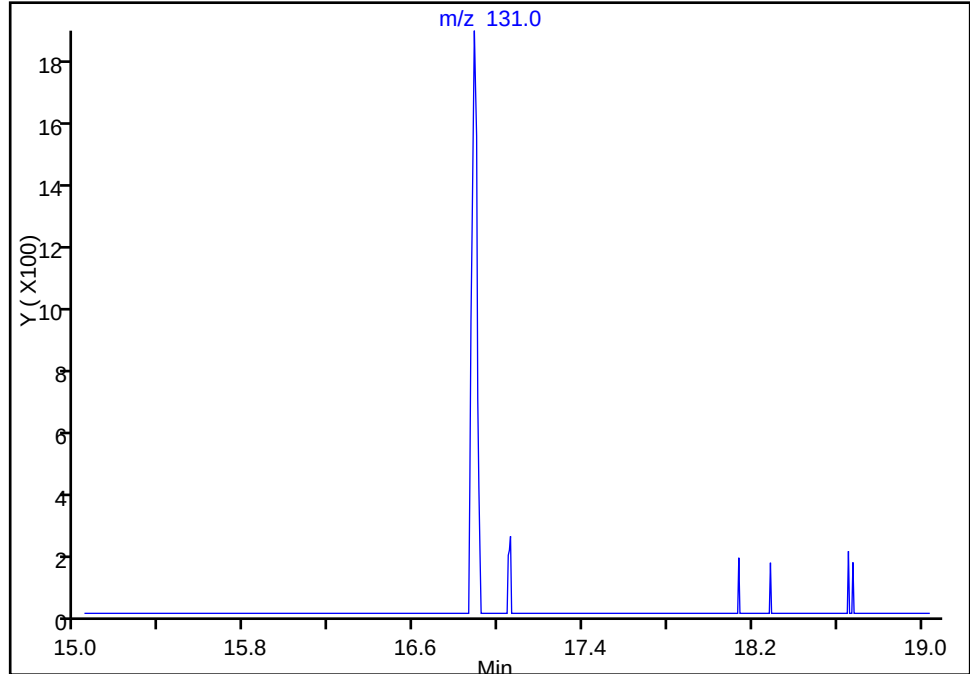
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

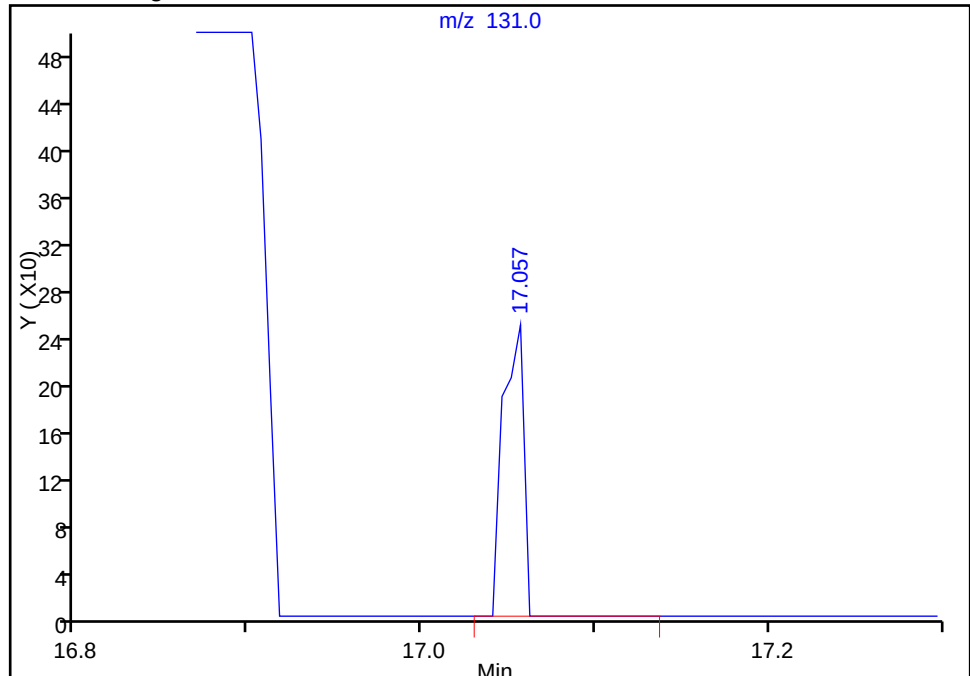
Not Detected
Expected RT: 17.04

Processing Integration Results



Manual Integration Results

RT: 17.06
Area: 205
Amount: 0.011234
Amount Units: ppb v/v



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

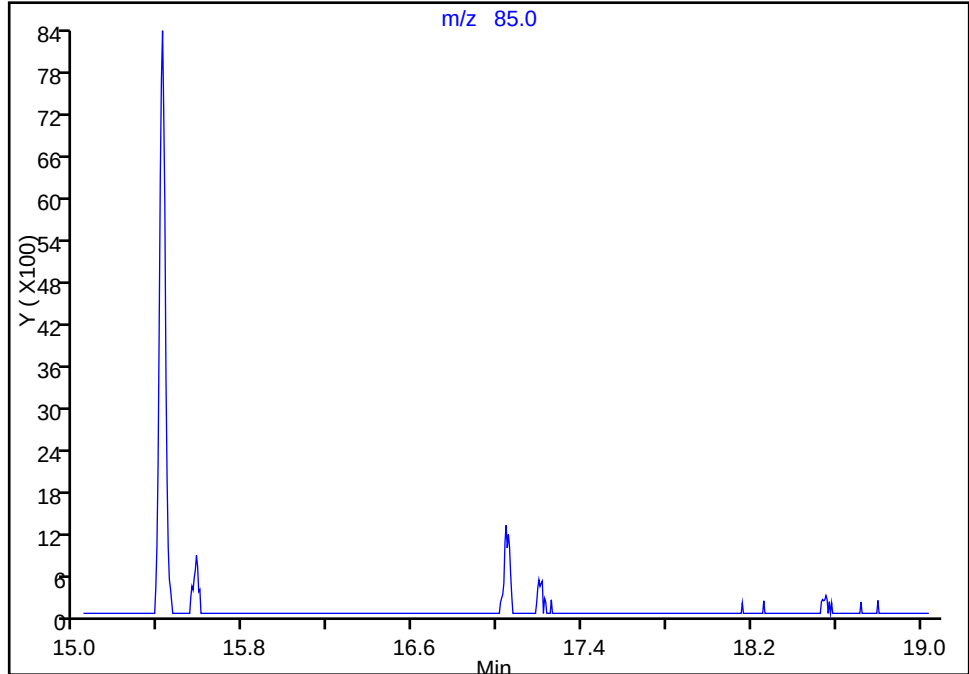
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_018.D
Injection Date: 12-Jan-2016 08:54:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

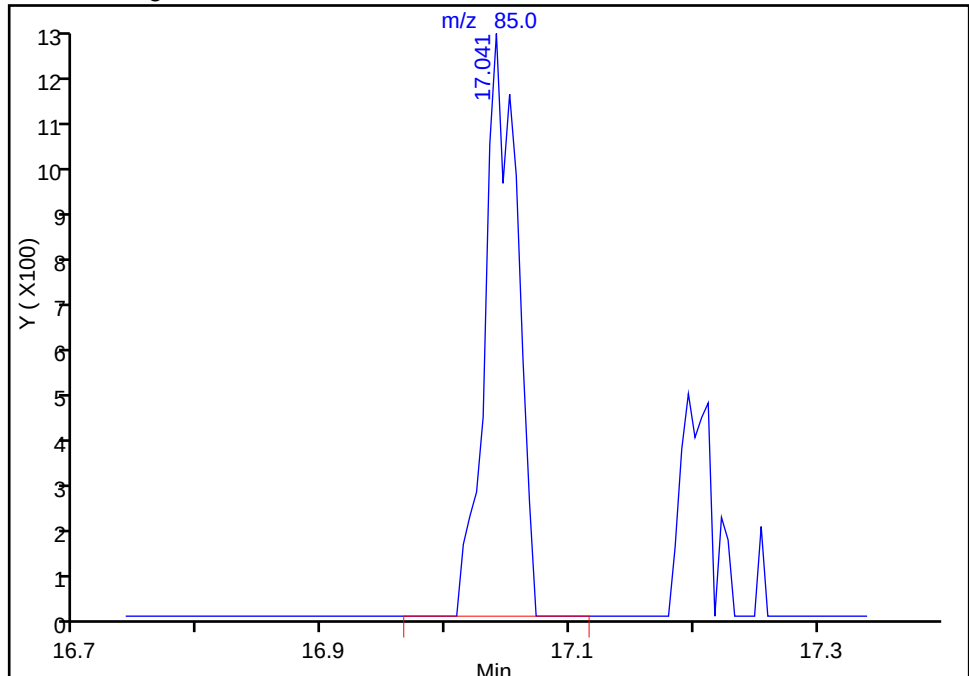
Not Detected
Expected RT: 17.04

Processing Integration Results



RT: 17.04
Area: 2318
Amount: 0.011234
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:49:33
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 12-Jan-2016 09:52:30 ALS Bottle#: 3 Worklist Smp#: 19
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-019
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:40 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 09:53:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.142	0.005	97	11401	0.0201	0.0240	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.372	3.372	0.000	85	9005	0.0201	0.0247	
3 Chloromethane	50	3.500	3.490	0.010	98	3893	0.0201	0.0425	
4 Vinyl chloride	62	3.709	3.704	0.005	94	3310	0.0201	0.0250	
5 Butadiene	54	3.768	3.768	0.000	90	2162	0.0201	0.0244	
6 Bromomethane	94	4.367	4.351	0.016	96	4151	0.0201	0.0274	
7 Chloroethane	64	4.554	4.554	0.000	49	1673	0.0201	0.0264	
8 Vinyl bromide	106	4.929	4.918	0.011	91	3635	0.0201	0.0227	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	99	12826	0.0201	0.0244	
10 1,1,2-Trichloro-1,2,2-trif	101	6.132	6.127	0.005	95	8445	0.0201	0.0286	
11 1,1-Dichloroethene	96	6.197	6.186	0.011	83	2906	0.0201	0.0221	
12 3-Chloro-1-propene	41	6.962	6.967	-0.005	95	4018	0.0201	0.0261	
13 Methylene Chloride	49	7.256	7.256	0.000	92	10768	0.0201	0.0713	
14 Methyl tert-butyl ether	73	7.678	7.652	0.026	97	8603	0.0201	0.0239	
15 trans-1,2-Dichloroethene	61	7.694	7.695	0.000	94	3971	0.0201	0.0212	
16 Hexane	57	8.080	8.064	0.016	79	4389	0.0201	0.0239	
17 1,1-Dichloroethane	63	8.486	8.486	0.000	97	5196	0.0201	0.0229	
S 18 1,2-Dichloroethene, Total	61				0		0.0402	0.0446	
19 cis-1,2-Dichloroethene	96	9.444	9.439	0.005	91	3245	0.0201	0.0234	
* 20 Chlorobromomethane	128	9.818	9.813	0.005	82	580948	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	76	6808	0.0201	0.0224	
22 1,1,1-Trichloroethane	97	10.150	10.155	-0.005	94	8068	0.0201	0.0238	
23 Cyclohexane	84	10.161	10.161	0.000	80	4603	0.0201	0.0259	
24 Carbon tetrachloride	117	10.375	10.364	0.011	98	8838	0.0201	0.0238	
25 Isooctane	57	10.674	10.674	0.000	96	13441	0.0201	0.0243	
26 Benzene	78	10.696	10.696	0.000	94	10874	0.0201	0.0279	
27 1,2-Dichloroethane	62	10.813	10.803	0.010	68	4922	0.0201	0.0263	M
28 n-Heptane	43	10.947	10.942	0.005	90	5899	0.0201	0.0271	
* 29 1,4-Difluorobenzene	114	11.273	11.273	0.000	94	2181862	2.00	2.00	
30 Trichloroethene	95	11.632	11.637	-0.005	68	4815	0.0201	0.0263	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.006	12.001	0.005	51	3178	0.0201	0.0252	M
32 Dichlorobromomethane	83	12.375	12.376	-0.001	97	6812	0.0201	0.0246	
33 cis-1,3-Dichloropropene	75	13.007	13.012	-0.005	65	4956	0.0201	0.0265	
34 Toluene	92	13.440	13.435	0.005	94	6899	0.0201	0.0257	
35 trans-1,3-Dichloropropene	75	13.815	13.809	0.005	95	4539	0.0201	0.0247	
36 1,1,2-Trichloroethane	83	14.066	14.077	-0.011	85	3085	0.0201	0.0245	
37 Tetrachloroethene	166	14.210	14.205	0.005	93	6039	0.0201	0.0230	
38 Chlorodibromomethane	129	14.633	14.628	0.005	96	5864	0.0201	0.0228	
39 Ethylene Dibromide	107	14.842	14.831	0.011	94	5247	0.0201	0.0230	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2301276	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	83	8985	0.0201	0.0272	
42 Ethylbenzene	91	15.532	15.526	0.006	98	14564	0.0201	0.0249	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	11611	0.0402	0.0484	
S 44 Xylenes, Total	106				0		0.0603	0.0726	
45 o-Xylene	106	16.206	16.201	0.005	97	5554	0.0201	0.0242	
46 Bromoform	173	16.521	16.522	-0.001	96	4419	0.0201	0.0223	
47 1,1,2,2-Tetrachloroethane	83	17.040	17.040	0.000	95	7838	0.0201	0.0242	
48 4-Ethyltoluene	105	17.238	17.238	0.000	98	17350	0.0201	0.0270	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	93	15822	0.0201	0.0273	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	12425	0.0201	0.0240	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATT15LLCAL1w_00061

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 13-Jan-2016 10:44:41

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D

Injection Date: 12-Jan-2016 09:52:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 19

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

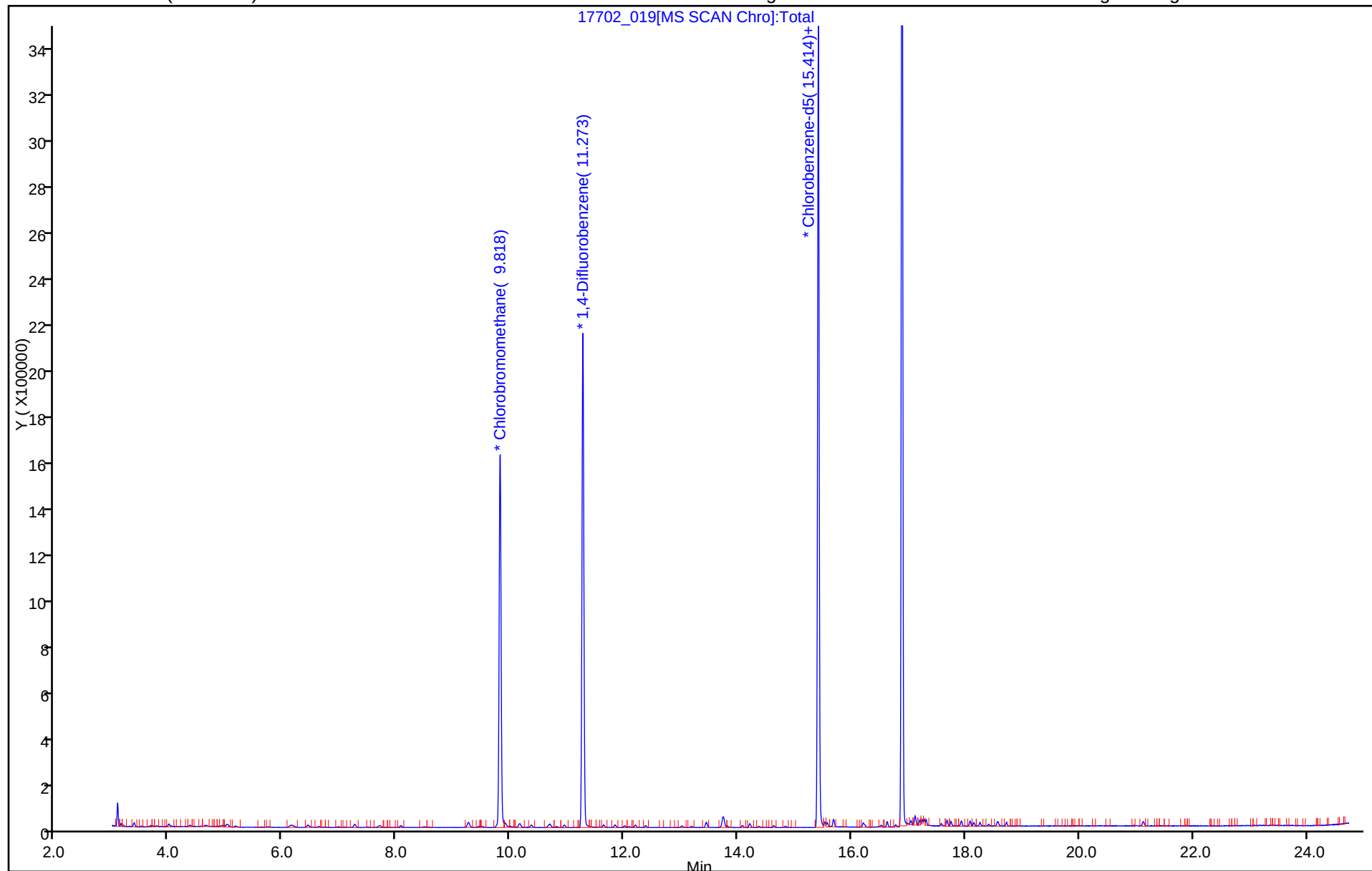
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

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



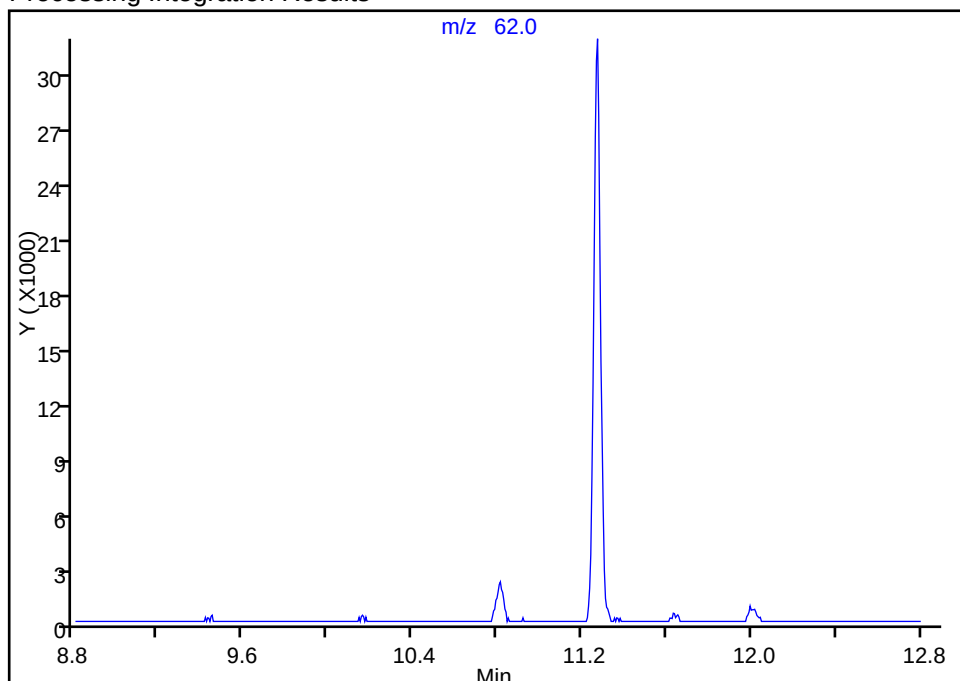
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
Injection Date: 12-Jan-2016 09:52:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 1,2-Dichloroethane, CAS: 107-06-2

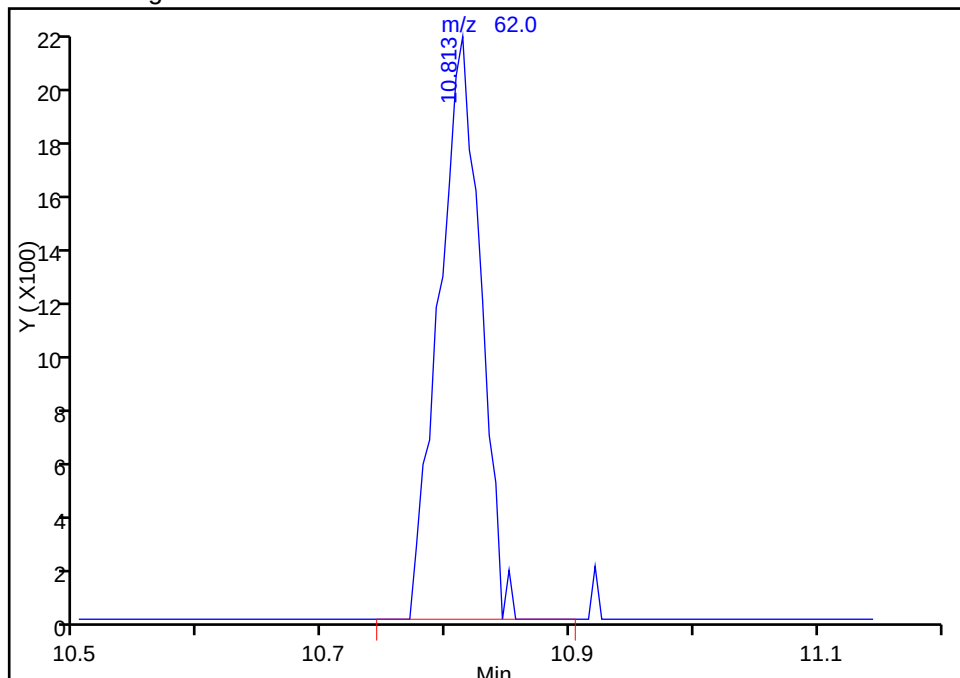
Not Detected
Expected RT: 10.80

Processing Integration Results



RT: 10.81
Area: 4922
Amount: 0.026279
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:53:09
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D

Injection Date: 12-Jan-2016 09:52:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 19

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

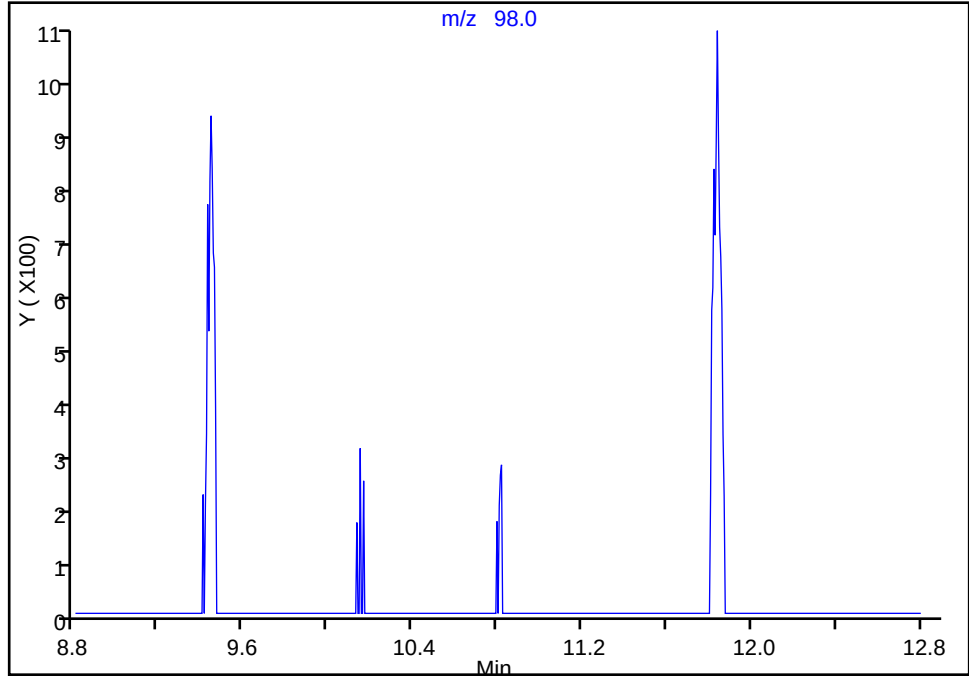
MS SCAN

27 1,2-Dichloroethane, CAS: 107-06-2

Not Detected

Expected RT: 10.80

Processing Integration Results



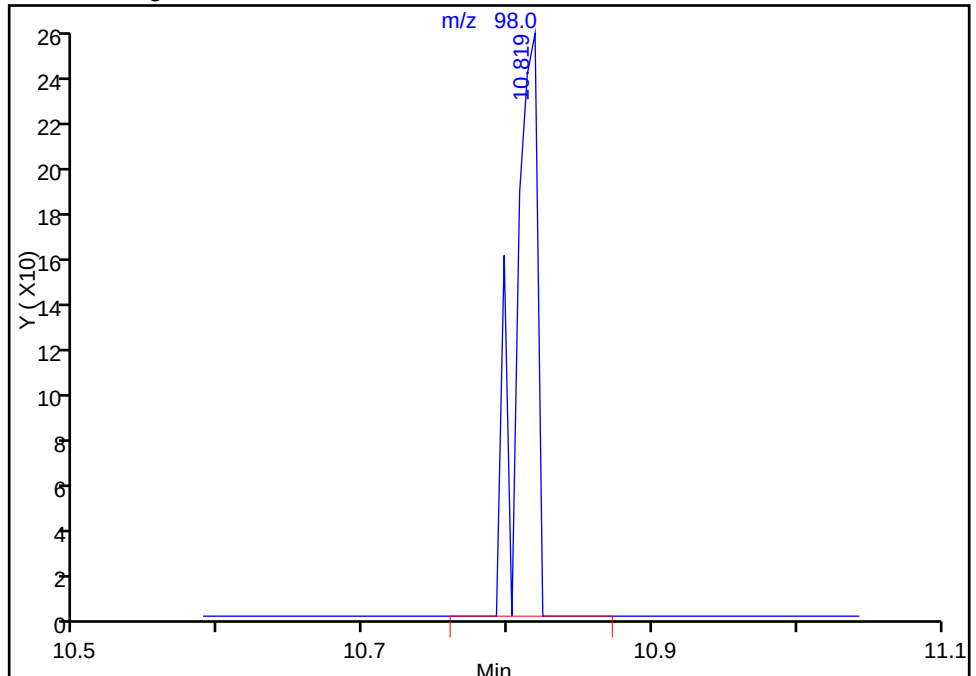
RT: 10.82

Area: 273

Amount: 0.026279

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:53:09

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D

Injection Date: 12-Jan-2016 09:52:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 19

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

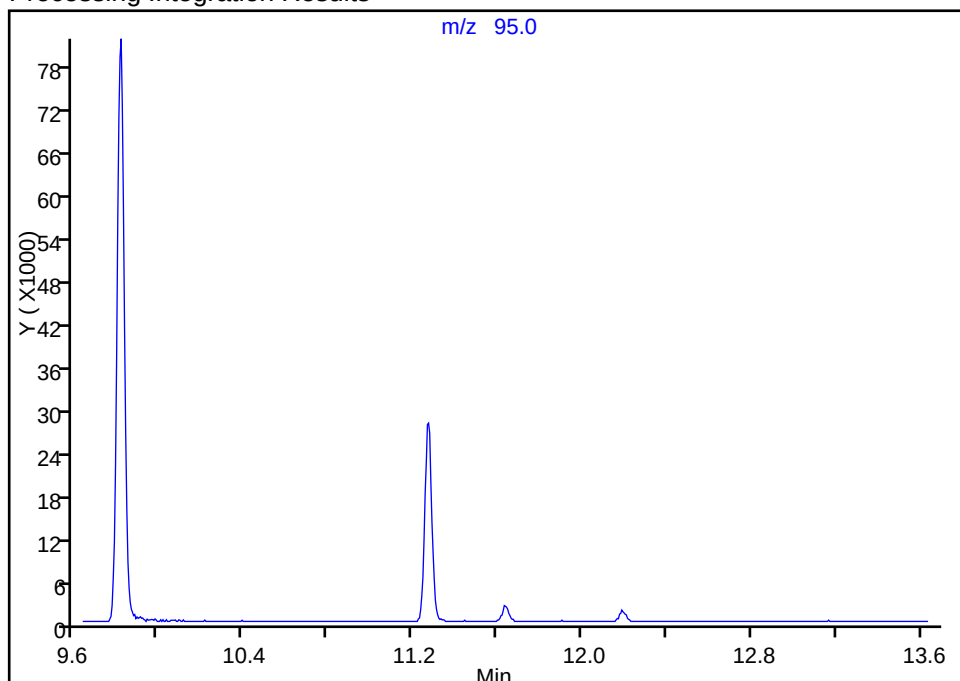
Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

Not Detected

Expected RT: 11.64

Processing Integration Results



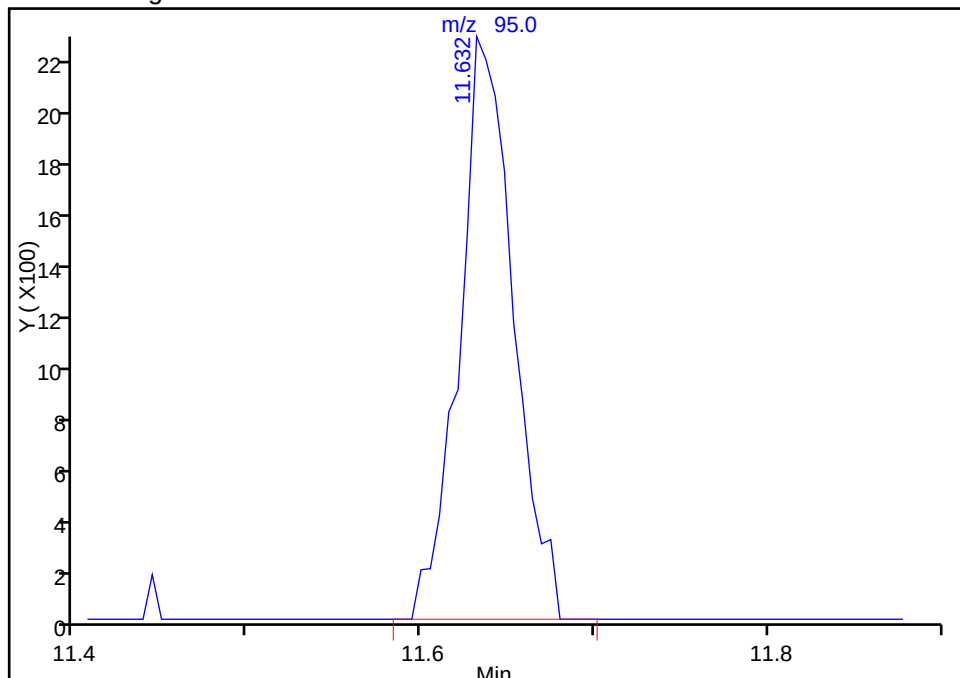
RT: 11.63

Area: 4815

Amount: 0.026318

Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:53:09

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D

Injection Date: 12-Jan-2016 09:52:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 19

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: TO15_LL_CHE.i

Limit Group:

AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

Detector

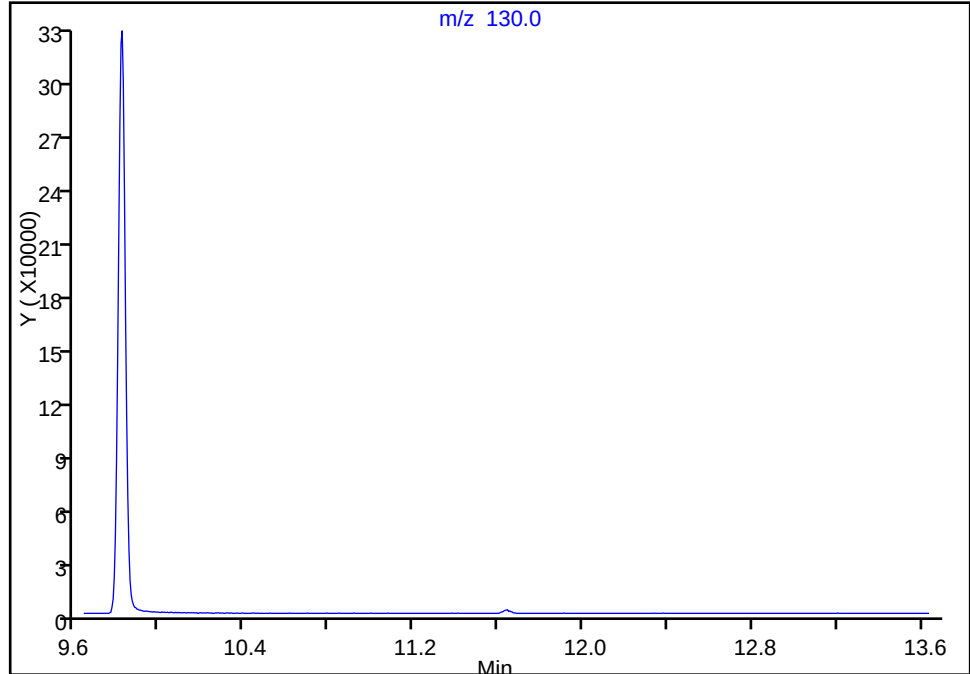
MS SCAN

30 Trichloroethene, CAS: 79-01-6

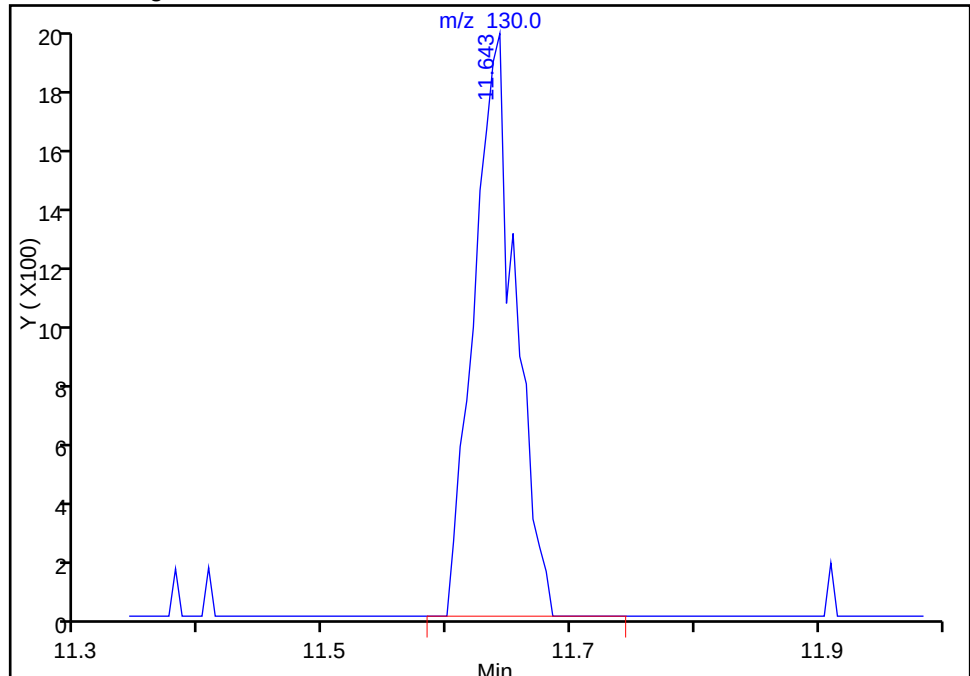
Not Detected

Expected RT: 11.64

Processing Integration Results



Manual Integration Results



RT: 11.64

Area: 4547

Amount: 0.026318

Amount Units: ppb v/v

Reviewer: desjardinsb, 13-Jan-2016 09:53:09

Audit Action: Manually Integrated

Audit Reason: Missed Peak

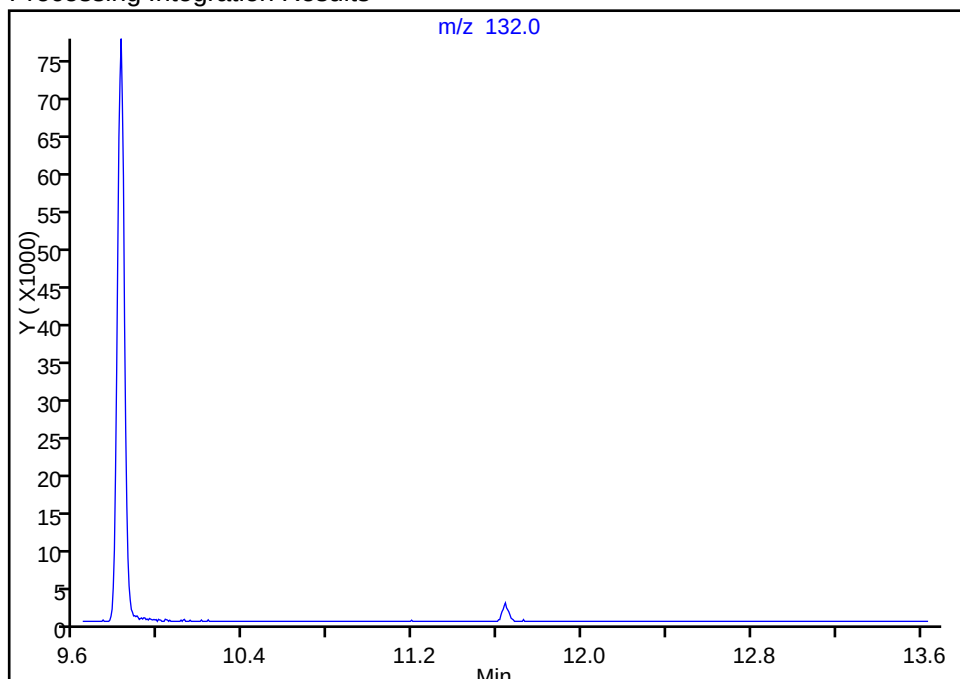
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
Injection Date: 12-Jan-2016 09:52:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

30 Trichloroethene, CAS: 79-01-6

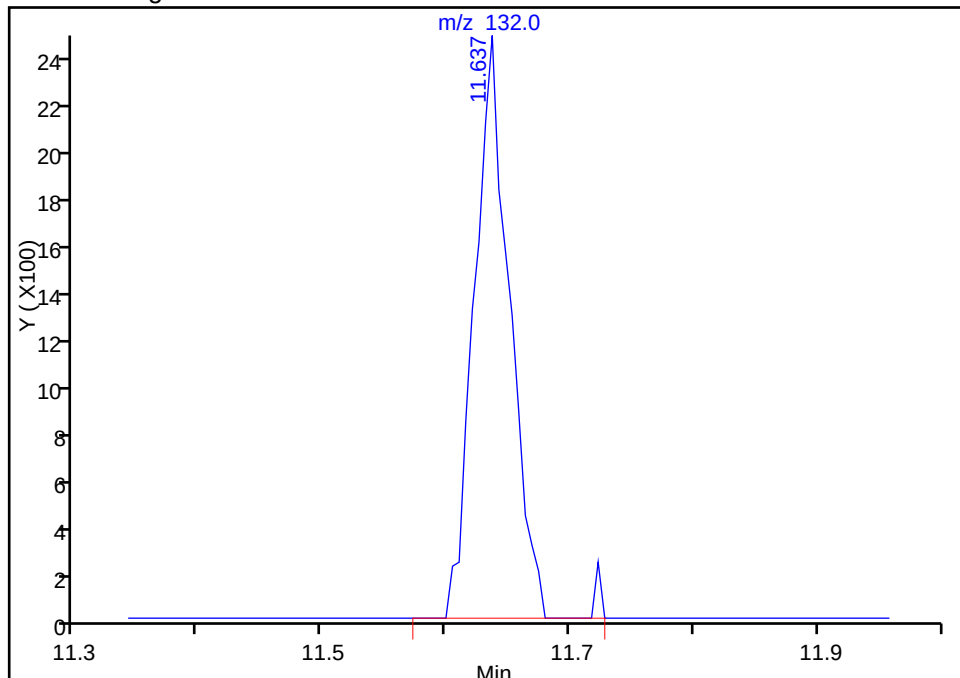
Not Detected
Expected RT: 11.64

Processing Integration Results



RT: 11.64
Area: 4961
Amount: 0.026318
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:53:09
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D

Injection Date: 12-Jan-2016 09:52:30

Instrument ID: CHE.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

3

Worklist Smp#: 19

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Column: RTX-624 (0.32 mm)

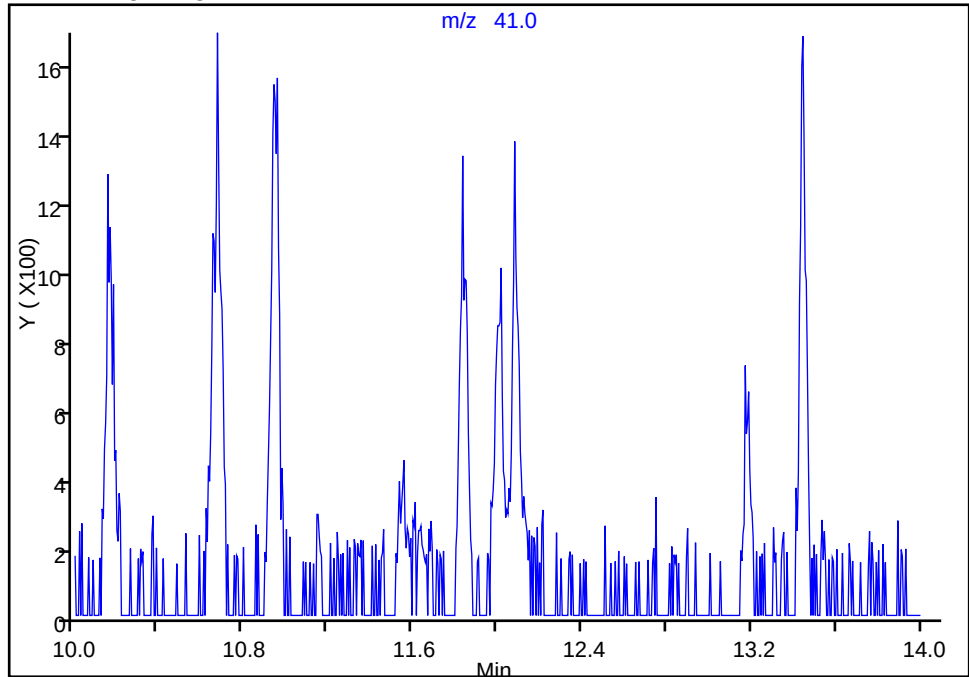
Detector: MS SCAN

31 1,2-Dichloropropane, CAS: 78-87-5

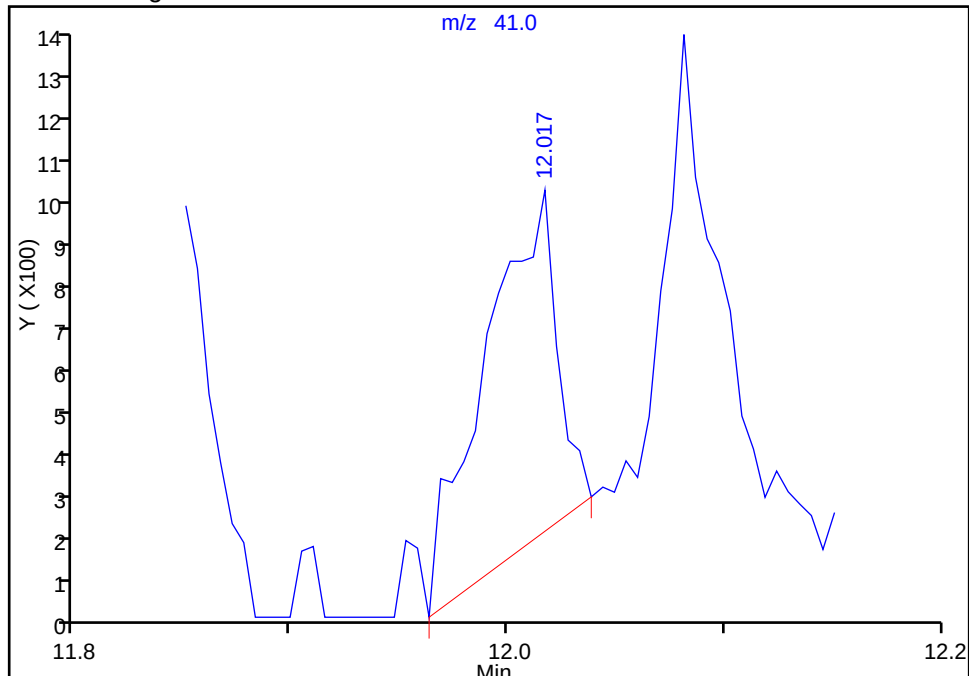
Not Detected

Expected RT: 12.00

Processing Integration Results



Manual Integration Results



RT: 12.02

Area: 1935

Amount: 0.025219

Amount Units: ppb v/v

Reviewer: desjardinsb, 13-Jan-2016 09:53:09

Audit Action: Manually Integrated

Audit Reason: Missed Peak

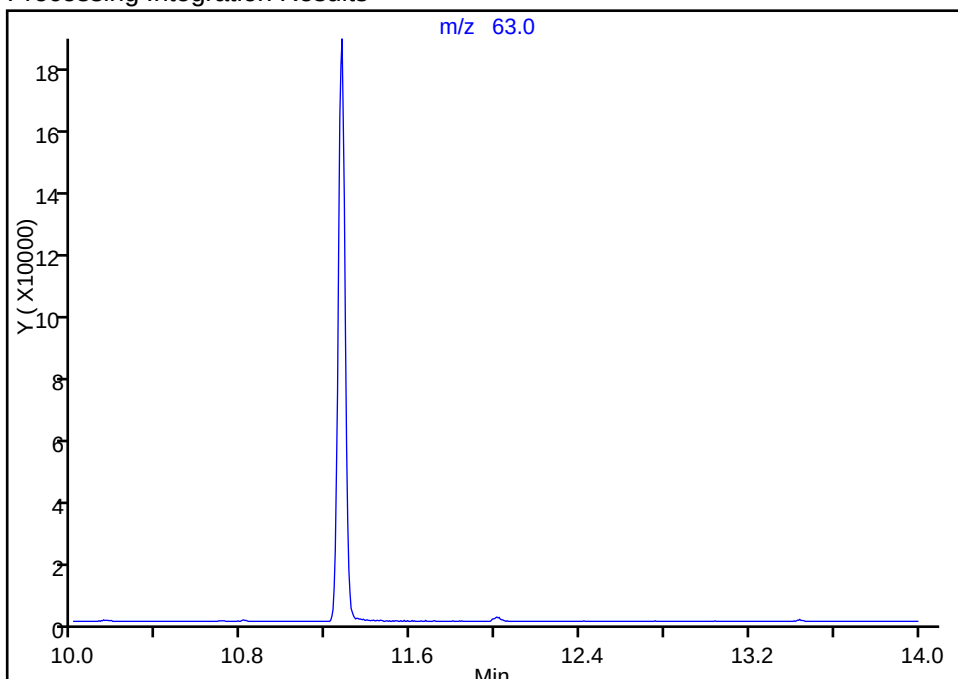
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
Injection Date: 12-Jan-2016 09:52:30 Instrument ID: CHE.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Column: RTX-624 (0.32 mm) Detector MS SCAN

31 1,2-Dichloropropane, CAS: 78-87-5

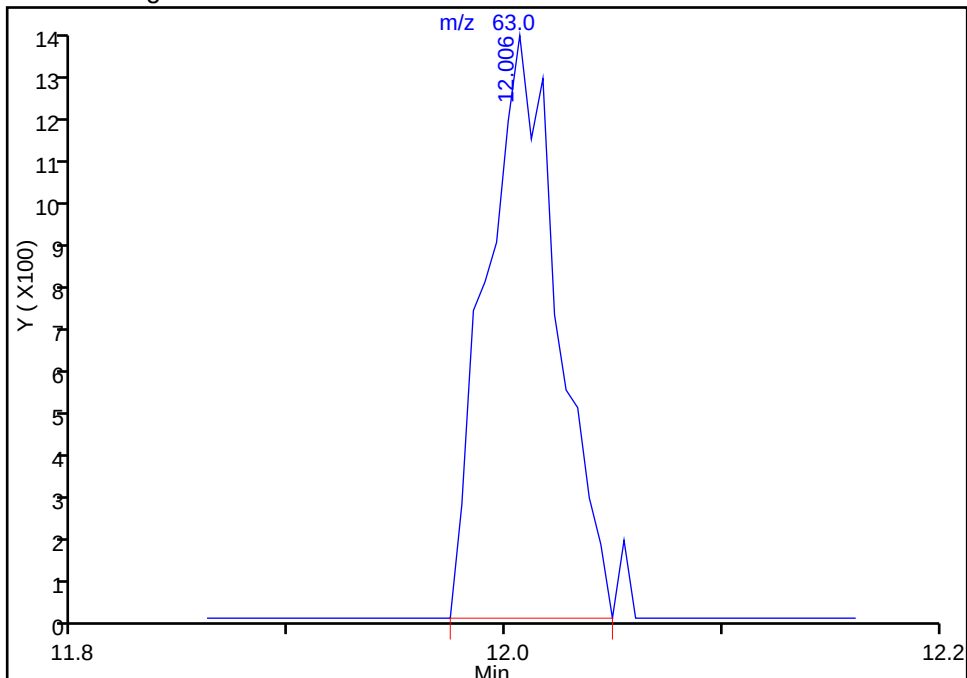
Not Detected
Expected RT: 12.00

Processing Integration Results



RT: 12.01
Area: 3178
Amount: 0.025219
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 13-Jan-2016 09:53:09
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 12-Jan-2016 10:50:30 ALS Bottle#: 3 Worklist Smp#: 20
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-020
 Misc. Info.: ic
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:41 Calib Date: 12-Jan-2016 10:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 14:11:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.142	0.005	98	18543	0.0402	0.0384	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.372	0.005	86	14274	0.0402	0.0384	
3 Chloromethane	50	3.506	3.490	0.016	99	5138	0.0402	0.0570	
4 Vinyl chloride	62	3.704	3.704	0.000	94	4599	0.0402	0.0345	
5 Butadiene	54	3.773	3.768	0.005	87	3718	0.0402	0.0399	
6 Bromomethane	94	4.362	4.351	0.011	97	6211	0.0402	0.0398	
7 Chloroethane	64	4.565	4.554	0.011	92	2370	0.0402	0.0369	
8 Vinyl bromide	106	4.929	4.918	0.011	96	6027	0.0402	0.0372	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	99	19660	0.0402	0.0372	
10 1,1,2-Trichloro-1,2,2-trif	101	6.149	6.127	0.022	96	13246	0.0402	0.0436	
11 1,1-Dichloroethene	96	6.181	6.186	-0.005	73	4882	0.0402	0.0369	
12 3-Chloro-1-propene	41	6.978	6.967	0.011	95	6796	0.0402	0.0434	
13 Methylene Chloride	49	7.256	7.256	0.000	91	13164	0.0402	0.0886	
14 Methyl tert-butyl ether	73	7.679	7.652	0.027	96	15015	0.0402	0.0407	
15 trans-1,2-Dichloroethene	61	7.705	7.695	0.011	97	7291	0.0402	0.0386	
16 Hexane	57	8.064	8.064	0.000	93	7606	0.0402	0.0405	
17 1,1-Dichloroethane	63	8.492	8.486	0.006	98	9302	0.0402	0.0403	
S 18 1,2-Dichloroethene, Total	61				0		0.0804	0.0771	
19 cis-1,2-Dichloroethene	96	9.433	9.439	-0.006	92	5415	0.0402	0.0386	
* 20 Chlorobromomethane	128	9.818	9.813	0.005	83	571411	2.00	2.00	
21 Chloroform	83	9.915	9.904	0.011	67	12519	0.0402	0.0405	
22 1,1,1-Trichloroethane	97	10.150	10.155	-0.005	95	14480	0.0402	0.0409	
23 Cyclohexane	84	10.166	10.161	0.005	93	6730	0.0402	0.0367	
24 Carbon tetrachloride	117	10.369	10.364	0.005	99	14552	0.0402	0.0379	
25 Isooctane	57	10.669	10.674	-0.005	97	22637	0.0402	0.0395	
26 Benzene	78	10.696	10.696	0.000	98	16920	0.0402	0.0420	
27 1,2-Dichloroethane	62	10.808	10.803	0.005	96	7452	0.0402	0.0383	
28 n-Heptane	43	10.953	10.942	0.011	90	9415	0.0402	0.0416	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	94	2197072	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	96	7201	0.0402	0.0380	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 1,2-Dichloropropane	63	12.001	12.001	0.000	84	5469	0.0402	0.0416	
32 Dichlorobromomethane	83	12.370	12.376	-0.006	99	11560	0.0402	0.0399	
33 cis-1,3-Dichloropropene	75	13.007	13.012	-0.005	95	7451	0.0402	0.0387	
34 Toluene	92	13.440	13.435	0.005	93	13354	0.0402	0.0451	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	95	7974	0.0402	0.0418	
36 1,1,2-Trichloroethane	83	14.071	14.077	-0.006	96	5307	0.0402	0.0396	
37 Tetrachloroethene	166	14.205	14.205	0.000	95	10571	0.0402	0.0377	
38 Chlorodibromomethane	129	14.628	14.628	0.000	97	9890	0.0402	0.0358	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	8917	0.0402	0.0361	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2447117	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	97	15764	0.0402	0.0443	
42 Ethylbenzene	91	15.532	15.526	0.006	98	25574	0.0402	0.0405	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	20422	0.0804	0.0787	
S 44 Xylenes, Total	106				0		0.1206	0.1176	
45 o-Xylene	106	16.201	16.201	0.000	97	9645	0.0402	0.0389	
46 Bromoform	173	16.516	16.522	-0.006	94	7474	0.0402	0.0354	
47 1,1,2,2-Tetrachloroethane	83	17.046	17.040	0.006	97	13049	0.0402	0.0373	
48 4-Ethyltoluene	105	17.244	17.238	0.006	98	25749	0.0402	0.0370	
49 1,3,5-Trimethylbenzene	105	17.313	17.308	0.005	91	22833	0.0402	0.0364	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	20768	0.0402	0.0373	

Reagents:

ATT15LLCAL1w_00061

Amount Added: 400.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D

Injection Date: 12-Jan-2016 10:50:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 20

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

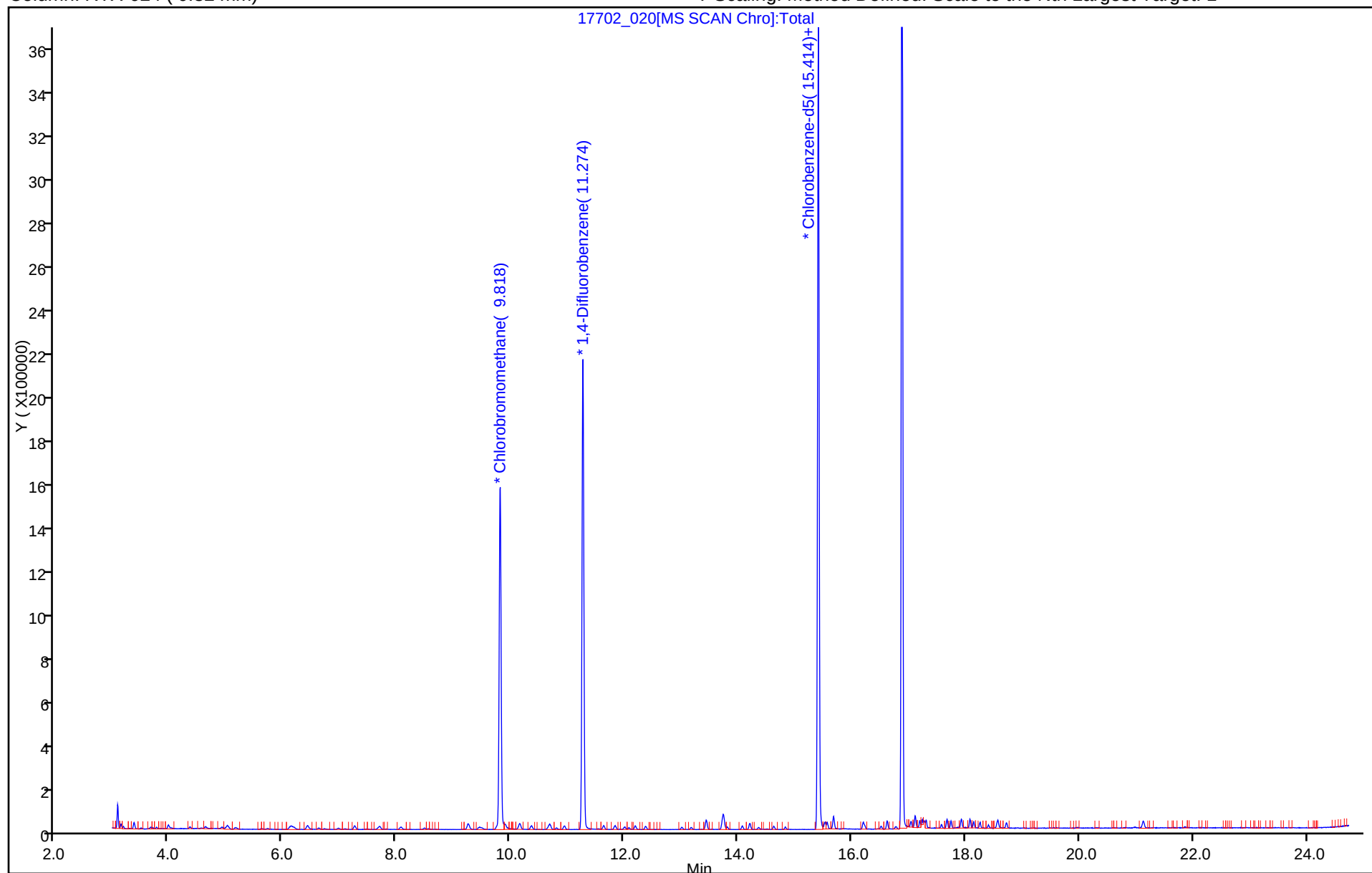
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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.: 200-31275-1
 SDG No.: 200-31275
 Lab Sample ID: ICV 200-99371/23 Calibration Date: 01/12/2016 15:17
 Instrument ID: CHE.i Calib Start Date: 01/11/2016 18:19
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/12/2016 10:50
 Lab File ID: 17702_023.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
Dichlorodifluoromethane	Ave	1.691	1.624		0.193	0.201	-4.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.300	1.540		0.238	0.201	18.5	30.0
Chloromethane	Ave	0.3154	0.3845		0.245	0.201	21.9	30.0
Vinyl chloride	Ave	0.4661	0.4544		0.196	0.201	-2.5	30.0
1,3-Butadiene	Ave	0.3265	0.3169		0.195	0.201	-2.9	30.0
Bromomethane	Ave	0.5465	0.5363		0.197	0.201	-1.9	30.0
Chloroethane	Ave	0.2246	0.2219		0.198	0.201	-1.2	30.0
Bromoethene (Vinyl Bromide)	Ave	0.5666	0.5894		0.209	0.201	4.0	30.0
Trichlorofluoromethane	Ave	1.850	1.774		0.193	0.201	-4.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.064	1.011		0.191	0.201	-5.0	30.0
1,1-Dichloroethene	Ave	0.4633	0.4754		0.206	0.201	2.6	30.0
3-Chloropropene	Ave	0.5480	0.5197		0.190	0.201	-5.2	30.0
Methylene Chloride	Ave	0.5201	0.6470		0.250	0.201	24.4	30.0
Methyl tert-butyl ether	Ave	1.292	1.292		0.201	0.201	0.0	30.0
trans-1,2-Dichloroethene	Ave	0.6619	0.7174		0.218	0.201	8.4	30.0
n-Hexane	Ave	0.6575	0.7145		0.218	0.201	8.7	30.0
1,1-Dichloroethane	Ave	0.8082	0.8339		0.207	0.201	3.2	30.0
cis-1,2-Dichloroethene	Ave	0.4913	0.4680		0.191	0.201	-4.7	30.0
Chloroform	Ave	1.081	1.091		0.203	0.201	0.9	30.0
1,1,1-Trichloroethane	Ave	0.3226	0.2912		0.181	0.201	-9.7	30.0
Cyclohexane	Ave	0.1668	0.1441		0.173	0.201	-13.6	30.0
Carbon tetrachloride	Ave	0.3494	0.3169		0.182	0.201	-9.3	30.0
2,2,4-Trimethylpentane	Ave	0.5211	0.4878		0.188	0.201	-6.4	30.0
Benzene	Ave	0.3671	0.3036		0.166	0.201	-17.3	30.0
1,2-Dichloroethane	Ave	0.1773	0.1677		0.190	0.201	-5.4	30.0
n-Heptane	Ave	0.2058	0.1812		0.177	0.201	-12.0	30.0
Trichloroethene	Ave	0.1727	0.1490		0.173	0.201	-13.7	30.0
1,2-Dichloropropane	Ave	0.1197	0.1070		0.180	0.201	-10.6	30.0
Bromodichloromethane	Ave	0.2638	0.2464		0.187	0.201	-6.6	30.0
cis-1,3-Dichloropropene	Ave	0.1753	0.1595		0.183	0.201	-9.0	30.0
Toluene	Ave	0.2418	0.2318		0.192	0.201	-4.1	30.0
trans-1,3-Dichloropropene	Ave	0.1735	0.1717		0.199	0.201	-1.0	30.0
1,1,2-Trichloroethane	Ave	0.1096	0.1115		0.204	0.201	1.7	30.0
Tetrachloroethene	Ave	0.2293	0.2164		0.189	0.201	-5.6	30.0
Dibromochloromethane	Ave	0.2260	0.2153		0.191	0.201	-4.8	30.0
1,2-Dibromoethane	Ave	0.2019	0.1952		0.194	0.201	-3.3	30.0
Chlorobenzene	Ave	0.2909	0.3063		0.211	0.201	5.3	30.0
Ethylbenzene	Ave	0.5163	0.4848		0.188	0.201	-6.1	30.0
m-Xylene & p-Xylene	Ave	0.2120	0.2120		0.402	0.401	0.0	30.0
o-Xylene	Ave	0.2029	0.1810		0.179	0.201	-10.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Lab Sample ID: ICV 200-99371/23 Calibration Date: 01/12/2016 15:17
 Instrument ID: CHE.i Calib Start Date: 01/11/2016 18:19
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/12/2016 10:50
 Lab File ID: 17702_023.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
Bromoform	Ave	0.1727	0.1593		0.185	0.201	-7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.2859	0.2728		0.192	0.201	-4.6	30.0
4-Ethyltoluene	Ave	0.5682	0.5449		0.193	0.201	-4.1	30.0
1,3,5-Trimethylbenzene	Ave	0.5130	0.4483		0.175	0.201	-12.6	30.0
1,2,4-Trimethylbenzene	Ave	0.4550	0.4392		0.194	0.201	-3.5	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_023.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 12-Jan-2016 15:17:30 ALS Bottle#: 3 Worklist Smp#: 23
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-023
 Operator ID: wrd Instrument ID: CHE.i
 Sublist:
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:41 Calib Date: 12-Jan-2016 10:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 15:43:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.142	3.142	0.000	99	92374	0.2007	0.1928	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.367	3.372	-0.005	90	87612	0.2007	0.2380	
3 Chloromethane	50	3.495	3.490	0.005	99	21865	0.2007	0.2447	
4 Vinyl chloride	62	3.698	3.704	-0.006	98	25842	0.2007	0.1957	
5 Butadiene	54	3.763	3.768	-0.005	92	18024	0.2007	0.1949	
6 Bromomethane	94	4.356	4.351	0.005	99	30503	0.2007	0.1970	
7 Chloroethane	64	4.554	4.554	0.000	99	12622	0.2007	0.1983	
8 Vinyl bromide	106	4.918	4.918	0.000	98	33521	0.2007	0.2088	
9 Trichlorofluoromethane	101	5.014	5.020	-0.006	99	100908	0.2007	0.1925	
10 1,1,2-Trichloro-1,2,2-trif	101	6.133	6.127	0.006	97	57505	0.2007	0.1908	
11 1,1-Dichloroethene	96	6.186	6.186	0.000	97	27038	0.2007	0.2060	
12 3-Chloro-1-propene	41	6.967	6.967	0.000	97	29559	0.2007	0.1904	
13 Methylene Chloride	49	7.251	7.256	-0.005	94	36796	0.2007	0.2497	
14 Methyl tert-butyl ether	73	7.657	7.652	0.005	97	73492	0.2007	0.2009	
15 trans-1,2-Dichloroethene	61	7.695	7.695	0.001	99	40800	0.2007	0.2176	
16 Hexane	57	8.064	8.064	0.000	91	40638	0.2007	0.2182	
17 1,1-Dichloroethane	63	8.486	8.486	0.000	100	47425	0.2007	0.2071	
S 18 1,2-Dichloroethene, Total	61				0		0.4015	0.4088	
19 cis-1,2-Dichloroethene	96	9.439	9.439	0.000	94	26619	0.2007	0.1912	
* 20 Chlorobromomethane	128	9.813	9.813	0.000	85	566632	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	98	62060	0.2007	0.2026	
22 1,1,1-Trichloroethane	97	10.156	10.155	0.001	94	72285	0.2007	0.1812	
23 Cyclohexane	84	10.166	10.161	0.005	83	35769	0.2007	0.1734	
24 Carbon tetrachloride	117	10.364	10.364	0.000	99	78678	0.2007	0.1821	
25 Isooctane	57	10.674	10.674	0.000	98	121102	0.2007	0.1879	
26 Benzene	78	10.696	10.696	0.000	97	75363	0.2007	0.1660	
27 1,2-Dichloroethane	62	10.808	10.803	0.005	99	41624	0.2007	0.1898	
28 n-Heptane	43	10.942	10.942	0.000	93	44968	0.2007	0.1767	
* 29 1,4-Difluorobenzene	114	11.268	11.273	-0.005	94	2473257	2.00	2.00	
30 Trichloroethene	95	11.632	11.637	-0.005	99	36996	0.2007	0.1733	
31 1,2-Dichloropropane	63	12.001	12.001	0.000	83	26565	0.2007	0.1795	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Dichlorobromomethane	83	12.370	12.376	-0.006	98	61161	0.2007	0.1875	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	94	39594	0.2007	0.1826	
34 Toluene	92	13.440	13.435	0.005	94	57515	0.2007	0.1924	
35 trans-1,3-Dichloropropene	75	13.804	13.809	-0.005	98	42629	0.2007	0.1986	
36 1,1,2-Trichloroethane	83	14.072	14.077	-0.005	97	27655	0.2007	0.2041	
37 Tetrachloroethene	166	14.205	14.205	0.000	96	53678	0.2007	0.1894	
38 Chlorodibromomethane	129	14.628	14.628	0.000	97	53410	0.2007	0.1912	
39 Ethylene Dibromide	107	14.831	14.831	0.000	96	48421	0.2007	0.1941	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2471780	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	97	75991	0.2007	0.2114	
42 Ethylbenzene	91	15.527	15.526	0.001	97	120280	0.2007	0.1885	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	105205	0.4015	0.4015	
S 44 Xylenes, Total	106				0		0.6022	0.5806	
45 o-Xylene	106	16.201	16.201	0.000	98	44896	0.2007	0.1791	
46 Bromoform	173	16.516	16.522	-0.006	96	39527	0.2007	0.1851	
47 1,1,2,2-Tetrachloroethane	83	17.041	17.040	0.001	99	67679	0.2007	0.1915	
48 4-Ethyltoluene	105	17.239	17.238	0.001	98	135193	0.2007	0.1925	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	93	111214	0.2007	0.1754	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	98	108970	0.2007	0.1938	
51 BFB									

Reagents:

ATT15LLLCsw_00142

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_023.D

Injection Date: 12-Jan-2016 15:17:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: icv

Worklist Smp#: 23

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

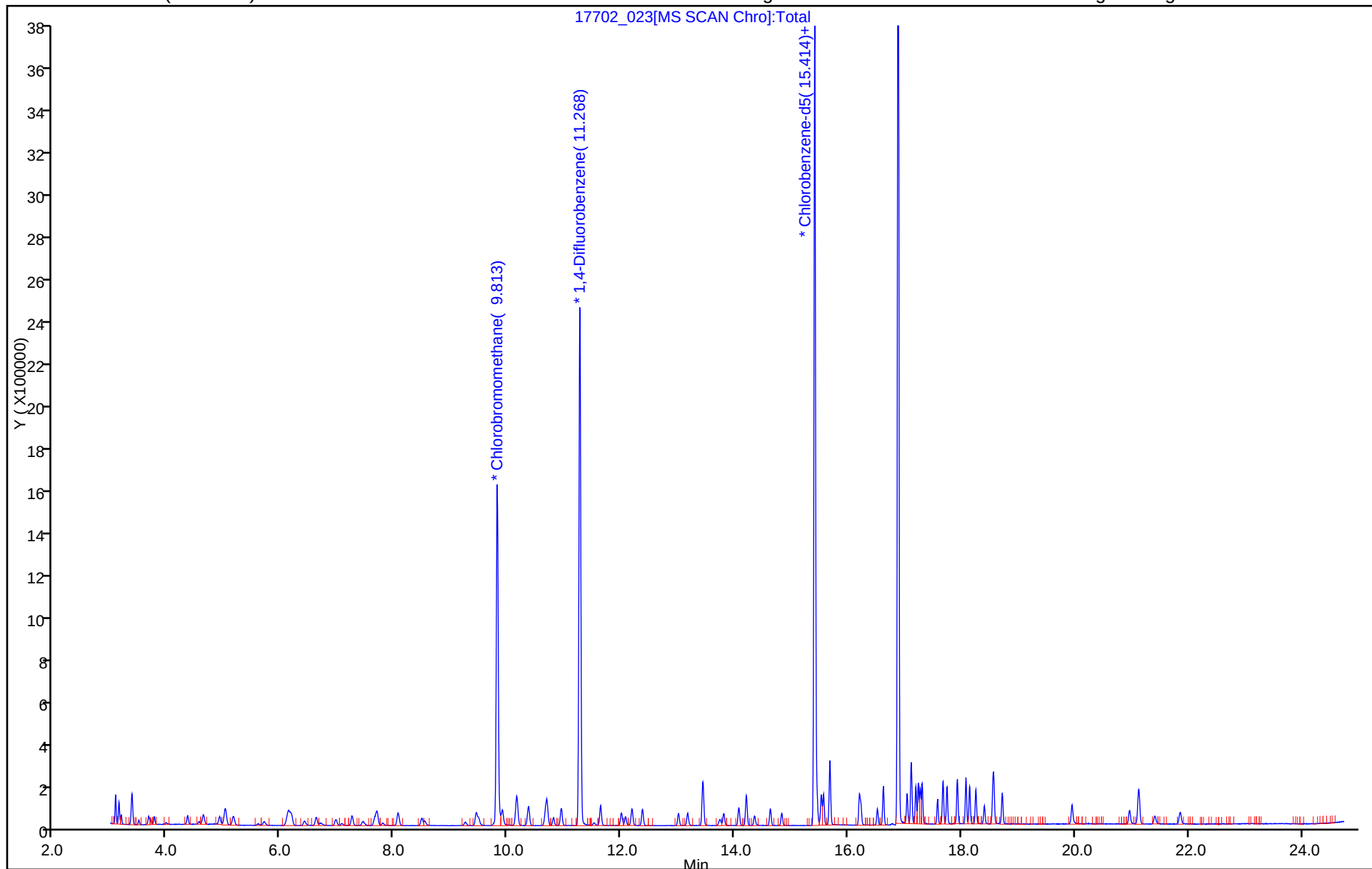
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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.: 200-31275-1
 SDG No.: 200-31275
 Lab Sample ID: CCVIS 200-99436/2 Calibration Date: 01/12/2016 17:14
 Instrument ID: CHE.i Calib Start Date: 01/11/2016 18:19
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/12/2016 10:50
 Lab File ID: 17734_002.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
Dichlorodifluoromethane	Ave	1.691	1.439		0.176	0.200	-14.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.300	1.091		0.174	0.200	-16.0	30.0
Chloromethane	Ave	0.3154	0.3153		0.200	0.200	-0.0	30.0
Vinyl chloride	Ave	0.4661	0.4043		0.178	0.200	-13.2	30.0
1,3-Butadiene	Ave	0.3265	0.2943		0.193	0.200	-9.9	30.0
Bromomethane	Ave	0.5465	0.4605		0.177	0.200	-15.7	30.0
Chloroethane	Ave	0.2246	0.1996		0.183	0.200	-11.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.5666	0.5118		0.186	0.200	-9.7	30.0
Trichlorofluoromethane	Ave	1.850	1.565		0.173	0.200	-15.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.064	0.9552		0.188	0.200	-10.2	30.0
1,1-Dichloroethene	Ave	0.4633	0.4033		0.178	0.200	-12.9	30.0
3-Chloropropene	Ave	0.5480	0.4480		0.169	0.200	-18.2	30.0
Methylene Chloride	Ave	0.5201	0.5570		0.214	0.200	7.1	30.0
Methyl tert-butyl ether	Ave	1.292	1.054		0.170	0.200	-18.4	30.0
trans-1,2-Dichloroethene	Ave	0.6619	0.5696		0.176	0.200	-13.9	30.0
n-Hexane	Ave	0.6575	0.5737		0.182	0.200	-12.7	30.0
1,1-Dichloroethane	Ave	0.8082	0.7467		0.191	0.200	-7.6	30.0
cis-1,2-Dichloroethene	Ave	0.4913	0.4117		0.172	0.200	-16.2	30.0
Chloroform	Ave	1.081	0.9573		0.183	0.200	-11.5	30.0
1,1,1-Trichloroethane	Ave	0.3226	0.2567		0.165	0.200	-20.4	30.0
Cyclohexane	Ave	0.1668	0.1262		0.155	0.200	-24.4	30.0
Carbon tetrachloride	Ave	0.3494	0.2810		0.165	0.200	-19.6	30.0
2,2,4-Trimethylpentane	Ave	0.5211	0.4325		0.171	0.200	-17.0	30.0
Benzene	Ave	0.3671	0.2711		0.152	0.200	-26.1	30.0
1,2-Dichloroethane	Ave	0.1773	0.1428		0.166	0.200	-19.5	30.0
n-Heptane	Ave	0.2058	0.1556		0.156	0.200	-24.4	30.0
Trichloroethene	Ave	0.1727	0.1290		0.154	0.200	-25.3	30.0
1,2-Dichloropropane	Ave	0.1197	0.0957		0.166	0.200	-20.0	30.0
Bromodichloromethane	Ave	0.2638	0.2157		0.170	0.200	-18.2	30.0
cis-1,3-Dichloropropene	Ave	0.1753	0.1286		0.150	0.200	-26.7	30.0
Toluene	Ave	0.2418	0.1883		0.161	0.200	-22.2	30.0
trans-1,3-Dichloropropene	Ave	0.1735	0.1221		0.145	0.200	-29.6	30.0
1,1,2-Trichloroethane	Ave	0.1096	0.0855		0.156	0.200	-22.0	30.0
Tetrachloroethene	Ave	0.2293	0.1888		0.165	0.200	-17.7	30.0
Dibromochloromethane	Ave	0.2260	0.1885		0.168	0.200	-16.6	30.0
1,2-Dibromoethane	Ave	0.2019	0.1593		0.161	0.200	-21.1	30.0
Chlorobenzene	Ave	0.2909	0.2507		0.175	0.200	-13.8	30.0
Ethylbenzene	Ave	0.5163	0.4053		0.160	0.200	-21.5	30.0
m-Xylene & p-Xylene	Ave	0.2120	0.1604		0.308	0.400	-24.3	30.0
o-Xylene	Ave	0.2029	0.1595		0.160	0.200	-21.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Lab Sample ID: CCVIS 200-99436/2 Calibration Date: 01/12/2016 17:14
Instrument ID: CHE.i Calib Start Date: 01/11/2016 18:19
GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/12/2016 10:50
Lab File ID: 17734_002.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
Bromoform	Ave	0.1727	0.1324		0.154	0.200	-23.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.2859	0.2168		0.154	0.200	-24.2	30.0
4-Ethyltoluene	Ave	0.5682	0.4180		0.150	0.200	-26.4	30.0
1,3,5-Trimethylbenzene	Ave	0.5130	0.3649		0.145	0.200	-28.9	30.0
1,2,4-Trimethylbenzene	Ave	0.4550	0.3782		0.168	0.200	-16.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 12-Jan-2016 17:14:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017734-002
 Operator ID: wrd Instrument ID: CHE.i
 Sublist: chrom-TO15_LL_CHE.i*sub6
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 14-Jan-2016 12:15:39 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 08:27:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	99	101843	0.1999	0.1756	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.377	0.000	83	77268	0.1999	0.1736	
3 Chloromethane	50	3.495	3.495	0.000	99	22322	0.1999	0.1998	
4 Vinyl chloride	62	3.704	3.704	0.000	97	28625	0.1999	0.1775	
5 Butadiene	54	3.773	3.773	0.000	92	20834	0.1999	0.1930	
6 Bromomethane	94	4.356	4.356	0.000	98	32602	0.1999	0.1768	
7 Chloroethane	64	4.554	4.554	0.000	99	14131	0.1999	0.1831	
8 Vinyl bromide	106	4.918	4.918	0.000	99	36236	0.1999	0.1857	
9 Trichlorofluoromethane	101	5.020	5.020	0.000	98	110819	0.1999	0.1726	
10 1,1,2-Trichloro-1,2,2-trif	101	6.138	6.138	0.000	98	67627	0.1999	0.1881	
11 1,1-Dichloroethene	96	6.191	6.191	0.000	97	28551	0.1999	0.1782	
12 3-Chloro-1-propene	41	6.967	6.967	0.000	98	31719	0.1999	0.1689	
13 Methylene Chloride	49	7.256	7.256	0.000	94	39434	0.1999	0.2141	
14 Methyl tert-butyl ether	73	7.663	7.663	0.000	97	74622	0.1999	0.1701	
15 trans-1,2-Dichloroethene	61	7.700	7.700	0.000	97	40324	0.1999	0.1763	
16 Hexane	57	8.069	8.069	0.000	93	40617	0.1999	0.1816	
17 1,1-Dichloroethane	63	8.481	8.481	0.000	100	52863	0.1999	0.1909	
S 18 1,2-Dichloroethene, Total	61				0		0.3998	0.3486	
19 cis-1,2-Dichloroethene	96	9.439	9.439	0.000	95	29146	0.1999	0.1723	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	83	708246	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	96	67771	0.1999	0.1833	
22 1,1,1-Trichloroethane	97	10.150	10.150	0.000	93	78240	0.1999	0.1650	
23 Cyclohexane	84	10.172	10.172	0.000	96	38475	0.1999	0.1550	
24 Carbon tetrachloride	117	10.370	10.370	0.000	97	85667	0.1999	0.1653	
25 Isooctane	57	10.674	10.674	0.000	98	131836	0.1999	0.1707	
26 Benzene	78	10.701	10.701	0.000	97	82643	0.1999	0.1518	
27 1,2-Dichloroethane	62	10.814	10.814	0.000	98	43534	0.1999	0.1663	
28 n-Heptane	43	10.942	10.942	0.000	91	47430	0.1999	0.1560	
* 29 1,4-Difluorobenzene	114	11.274	11.274	0.000	94	3049705	2.00	2.00	
30 Trichloroethene	95	11.643	11.643	0.000	99	39311	0.1999	0.1537	
31 1,2-Dichloropropane	63	12.007	12.007	0.000	83	29184	0.1999	0.1657	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Dichlorobromomethane	83	12.370	12.370	0.000	99	65747	0.1999	0.1696	
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	95	39195	0.1999	0.1500	
34 Toluene	92	13.435	13.435	0.000	95	56837	0.1999	0.1613	
35 trans-1,3-Dichloropropene	75	13.809	13.809	0.000	96	37236	0.1999	0.1448	
36 1,1,2-Trichloroethane	83	14.072	14.072	0.000	98	25814	0.1999	0.1564	
37 Tetrachloroethene	166	14.211	14.211	0.000	96	57001	0.1999	0.1654	
38 Chlorodibromomethane	129	14.633	14.633	0.000	98	56916	0.1999	0.1683	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	48101	0.1999	0.1608	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	3020200	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	97	75686	0.1999	0.1749	
42 Ethylbenzene	91	15.527	15.527	0.000	98	122359	0.1999	0.1597	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	96842	0.3998	0.3079	
S 44 Xylenes, Total	106				0		0.5998	0.4677	
45 o-Xylene	106	16.201	16.201	0.000	97	48161	0.1999	0.1599	
46 Bromoform	173	16.522	16.522	0.000	97	39985	0.1999	0.1540	
47 1,1,2,2-Tetrachloroethane	83	17.046	17.046	0.000	99	65464	0.1999	0.1542	
48 4-Ethyltoluene	105	17.239	17.239	0.000	98	126199	0.1999	0.1497	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	93	110168	0.1999	0.1451	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	97	114171	0.1999	0.1684	
51 BFB									

Reagents:

ATTO15CAL2w_00204

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_002.D

Injection Date: 12-Jan-2016 17:14:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

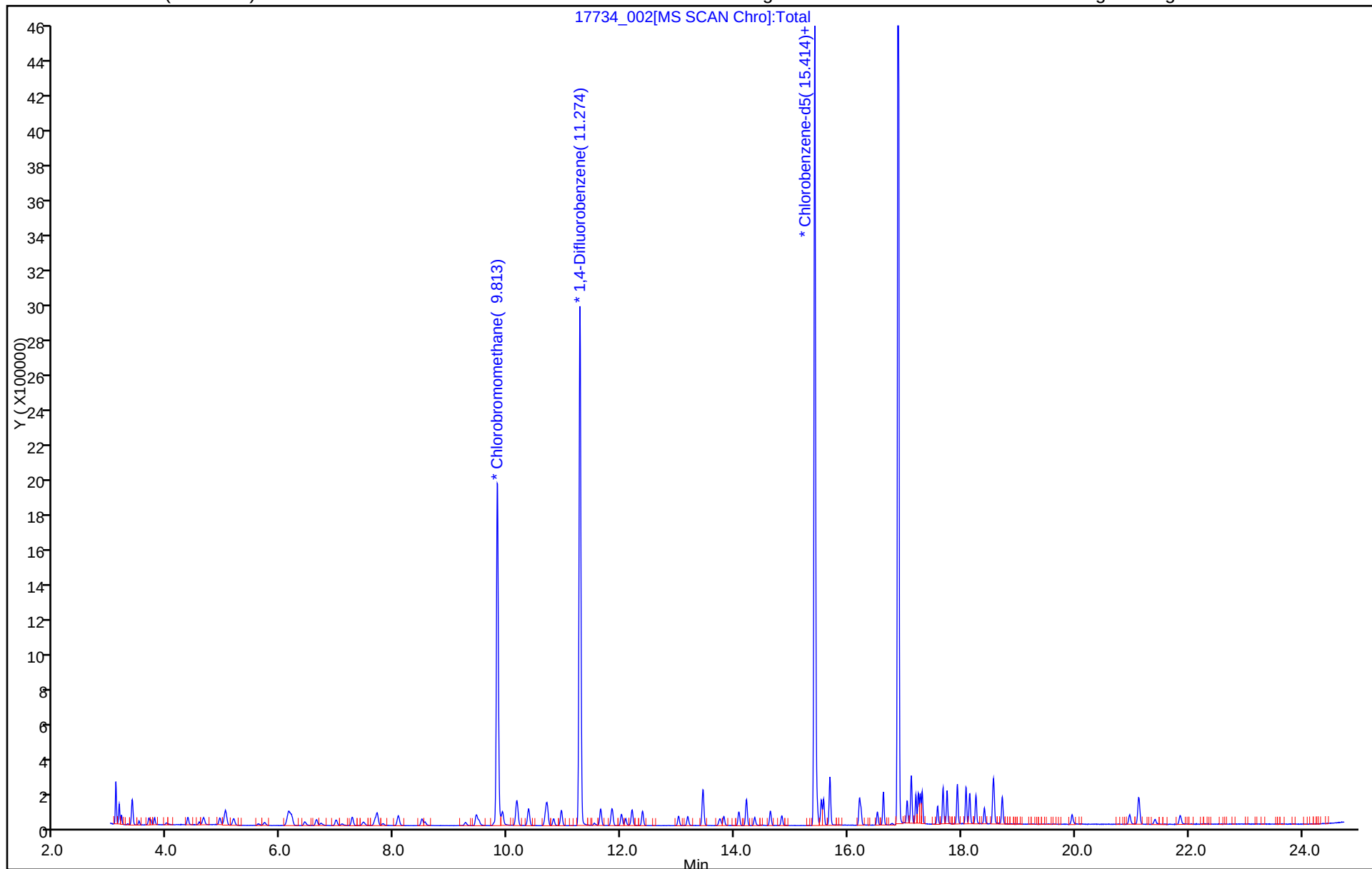
ALS Bottle#: 2

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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\CHE.i\20160111-17702.b\177020_001.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 11-Jan-2016 16:27:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017702-001
 Misc. Info.: bfb
 Operator ID: wrd Instrument ID: CHE.i
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 13-Jan-2016 10:44:21 Calib Date: 12-Jan-2016 10:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_020.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 11-Jan-2016 16:46:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 20 Chlorobromomethane	128		9.813				2.00	ND	
* 29 1,4-Difluorobenzene	114		11.273				2.00	ND	
* 40 Chlorobenzene-d5	117		15.414				2.00	ND	

51 BFB

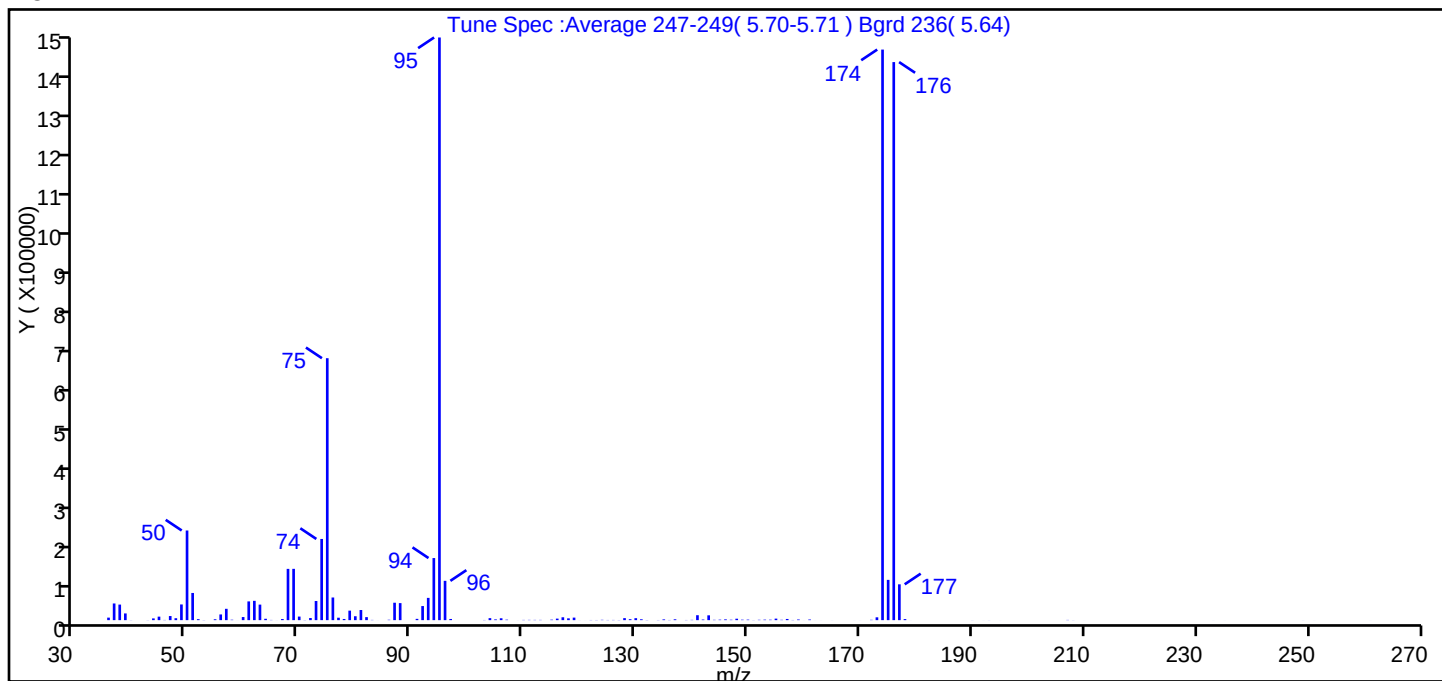
Reagents:

ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\177020_001.D
Injection Date: 11-Jan-2016 16:27:30 Instrument ID: CHE.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: TO15_LL_CHE.i Limit Group: AI_TO5LL_Limits
Tune Method: BFB Method TO-15

51 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	15.4
75	30.0 to 66.0 Percent of m/e 95	45.0
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.5 (0.5)
174	50.0 to 120.0 Percent of m/e 95	97.9
175	4.0 to 9.0 Percent of m/e 174	6.9 (7.1)
176	93.0 to 101.0 Percent of m/e 174	95.8 (97.8)
177	5.0 to 9.0 Percent of m/e 176	6.1 (6.4)

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\177020_001.D\TO15_LL_CHE.i.rslt\spectra.c
Injection Date: 11-Jan-2016 16:27:30
Spectrum: Tune Spec :Average 247-249(5.70-5.71) Bgrd 236(5.64)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 137

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6073	74.00	195904	119.00	6122	156.00	814
37.00	40224	75.00	632064	120.00	96	157.00	2833
38.00	37560	76.00	54656	121.00	56	158.00	398
39.00	16183	77.00	5858	122.00	389	159.00	1564
40.00	231	78.00	2792	123.00	366	160.00	73
43.00	218	79.00	22944	124.00	795	161.00	1511
44.00	4175	80.00	9434	125.00	425	162.00	54
45.00	8441	81.00	24456	126.00	488	163.00	57
46.00	477	82.00	7266	127.00	355	165.00	82
47.00	9910	83.00	557	128.00	4851	169.00	62
48.00	4658	84.00	61	129.00	2308	170.00	75
49.00	37872	86.00	937	130.00	4739	172.00	758
50.00	216320	87.00	42024	131.00	2078	173.00	6842
51.00	65568	88.00	41096	132.00	341	174.00	1376768
52.00	2345	91.00	3100	134.00	365	175.00	97184
53.00	295	92.00	33984	135.00	1802	176.00	1346560
55.00	2086	93.00	53720	136.00	414	177.00	86432
56.00	13746	94.00	149824	137.00	2044	178.00	2543
57.00	27344	95.00	1405952	139.00	408	179.00	66
58.00	998	96.00	94864	140.00	680	190.00	134
59.00	56	97.00	2830	141.00	11900	191.00	5
60.00	7486	103.00	407	142.00	1468	192.00	60
61.00	45224	104.00	4808	143.00	11609	193.00	147
62.00	46600	105.00	1792	144.00	788	195.00	51
63.00	37496	106.00	4522	145.00	1205	207.00	544
64.00	3311	107.00	1148	146.00	1877	208.00	165
65.00	495	109.00	81	147.00	1007	210.00	53
66.00	76	110.00	560	148.00	3441	233.00	60
67.00	2695	111.00	649	149.00	1104	235.00	50
68.00	123696	112.00	597	150.00	1274	249.00	89
69.00	123792	113.00	599	151.00	233	251.00	54
70.00	8617	115.00	1169	152.00	850	261.00	51
71.00	338	116.00	3670	153.00	1204		

Report Date: 13-Jan-2016 10:44:21

Chrom Revision: 2.2 02-Dec-2015 11:51:48

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\177020_001.D\TO15_LL_CHE.i.rslt\spectra.o

Injection Date: 11-Jan-2016 16:27:30

Spectrum: Tune Spec :Average 247-249(5.70-5.71) Bgrd 236(5.64)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 137

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	5125	117.00	6916	154.00	1086		
73.00	46176	118.00	4338	155.00	3649		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_001.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 12-Jan-2016 16:07:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017734-001
 Misc. Info.: bfb
 Operator ID: wrd Instrument ID: CHE.i
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 14-Jan-2016 12:15:38 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: desjardinsb

Date: 12-Jan-2016 16:19:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 20 Chlorobromomethane	128		9.818				2.00	ND	
* 29 1,4-Difluorobenzene	114		11.273				2.00	ND	
* 40 Chlorobenzene-d5	117		15.414				2.00	ND	

51 BFB

Reagents:

ATTO15EISs_00007 Amount Added: 10.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_001.D

Injection Date: 12-Jan-2016 16:07:30

Instrument ID: CHE.i

Lims ID: bfb

Client ID:

Operator ID: wrd

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 500.0 mL

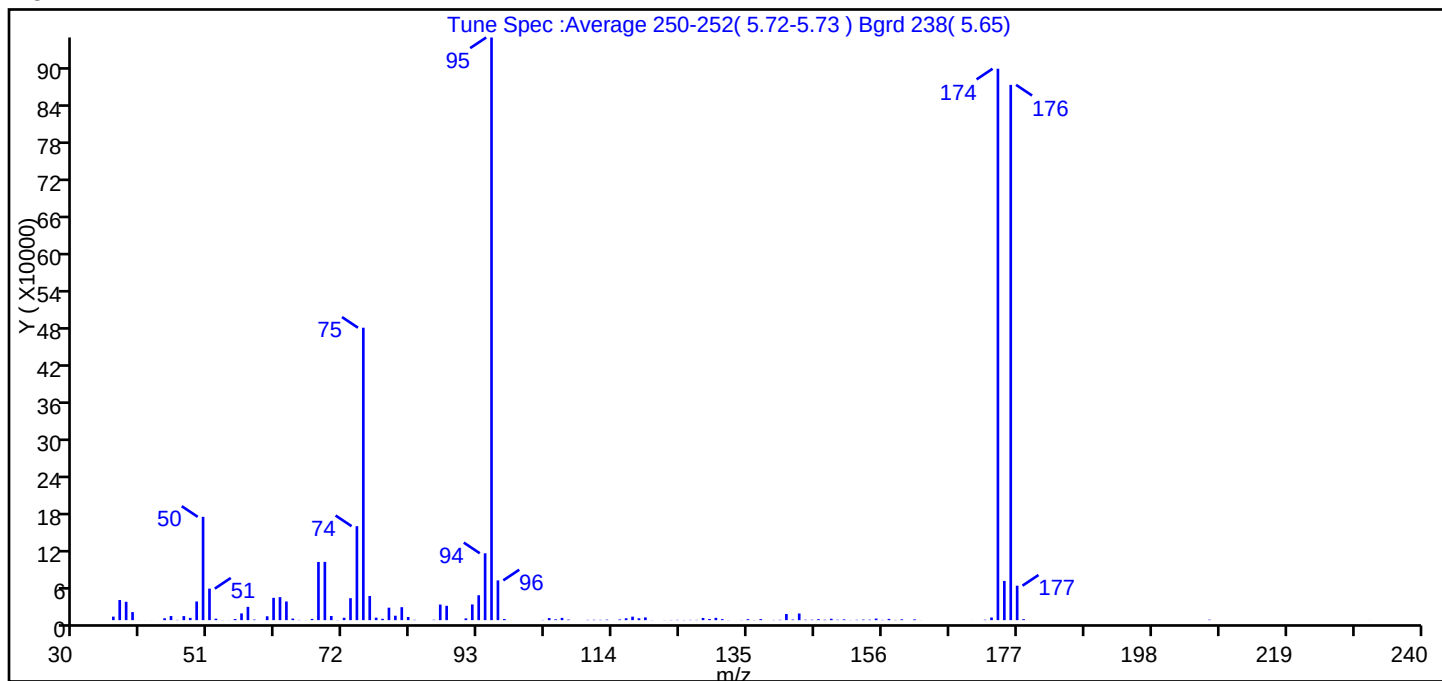
Dil. Factor: 1.0000

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

Tune Method: BFB Method TO-15

51 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	17.7
75	30.0 to 66.0 Percent of m/e 95	50.2
96	5.0 to 9.0 Percent of m/e 95	6.8
173	Less than 2.0 Percent of m/e 174	0.5 (0.5)
174	50.0 to 120.0 Percent of m/e 95	94.6
175	4.0 to 9.0 Percent of m/e 174	6.7 (7.1)
176	93.0 to 101.0 Percent of m/e 174	91.9 (97.1)
177	5.0 to 9.0 Percent of m/e 176	5.9 (6.4)

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_001.D\TO15_LL_CHE.i.rslt\spectra.d
Injection Date: 12-Jan-2016 16:07:30
Spectrum: Tune Spec :Average 250-252(5.72-5.73) Bgrd 238(5.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5697	68.00	94144	107.00	872	143.00	10743
37.00	32568	69.00	94232	110.00	444	144.00	684
38.00	29696	70.00	6725	111.00	597	145.00	717
39.00	13007	71.00	220	112.00	491	146.00	1525
40.00	105	72.00	3828	113.00	810	147.00	703
41.00	75	73.00	35480	115.00	1113	148.00	2238
42.00	70	74.00	152000	116.00	3042	149.00	615
44.00	3018	75.00	473024	117.00	5603	150.00	1226
45.00	6638	76.00	39120	118.00	2970	151.00	197
46.00	419	77.00	4056	119.00	4467	152.00	540
47.00	6558	78.00	2128	120.00	208	153.00	871
48.00	3665	79.00	20144	122.00	207	154.00	715
49.00	30192	80.00	7150	123.00	317	155.00	2562
50.00	167104	81.00	20960	124.00	473	156.00	416
51.00	51008	82.00	5073	125.00	278	157.00	1998
52.00	2327	83.00	497	126.00	410	158.00	350
53.00	212	86.00	594	127.00	414	159.00	1294
54.00	128	87.00	25208	128.00	3523	161.00	1266
55.00	1847	88.00	23168	129.00	1780	162.00	115
56.00	10928	91.00	2860	130.00	3731	170.00	57
57.00	21488	92.00	25392	131.00	1590	172.00	605
58.00	900	93.00	40272	132.00	201	173.00	4283
60.00	6265	94.00	108168	134.00	259	174.00	891968
61.00	36072	95.00	942528	135.00	1543	175.00	63416
62.00	37224	96.00	64304	136.00	257	176.00	865856
63.00	30176	97.00	1803	137.00	1659	177.00	55752
64.00	2535	103.00	340	139.00	325	178.00	1551
65.00	359	104.00	3312	140.00	564	193.00	53
66.00	83	105.00	1307	141.00	9926	207.00	739
67.00	2020	106.00	3672	142.00	930	232.00	67

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-99436/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>17734_004.D</u>
Analysis Method: <u>TO15 LL</u>	Date Collected: _____
Sample wt/vol: <u>500 (mL)</u>	Date Analyzed: <u>01/12/2016 19:11</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>99436</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.010	U	0.010	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.010	U	0.010	
75-01-4	Vinyl chloride	62.50	0.020	U	0.020	
106-99-0	1,3-Butadiene	54.09	0.020	U	0.020	
74-83-9	Bromomethane	94.94	0.020	U	0.020	
75-00-3	Chloroethane	64.52	0.020	U	0.020	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.020	U	0.020	
75-69-4	Trichlorofluoromethane	137.37	0.010	U	0.010	
75-35-4	1,1-Dichloroethene	96.94	0.010	U	0.010	
107-05-1	3-Chloropropene	76.53	0.020	U	0.020	
75-09-2	Methylene Chloride	84.93	0.10	U	0.10	
1634-04-4	Methyl tert-butyl ether	88.15	0.010	U	0.010	
156-60-5	trans-1,2-Dichloroethene	96.94	0.010	U	0.010	
110-54-3	n-Hexane	86.17	0.020	U	0.020	
75-34-3	1,1-Dichloroethane	98.96	0.010	U	0.010	
156-59-2	cis-1,2-Dichloroethene	96.94	0.010	U	0.010	
67-66-3	Chloroform	119.38	0.010	U	0.010	
71-55-6	1,1,1-Trichloroethane	133.41	0.010	U	0.010	
110-82-7	Cyclohexane	84.16	0.010	U	0.010	
56-23-5	Carbon tetrachloride	153.81	0.010	U	0.010	
540-84-1	2,2,4-Trimethylpentane	114.23	0.010	U	0.010	
71-43-2	Benzene	78.11	0.010	U	0.010	
107-06-2	1,2-Dichloroethane	98.96	0.020	U	0.020	
142-82-5	n-Heptane	100.21	0.010	U	0.010	
79-01-6	Trichloroethene	131.39	0.010	U	0.010	
78-87-5	1,2-Dichloropropane	112.99	0.020	U	0.020	
75-27-4	Bromodichloromethane	163.83	0.010	U	0.010	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.010	U	0.010	
108-88-3	Toluene	92.14	0.010	U	0.010	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.010	U	0.010	
79-00-5	1,1,2-Trichloroethane	133.41	0.010	U	0.010	
127-18-4	Tetrachloroethene	165.83	0.010	U	0.010	
124-48-1	Dibromochloromethane	208.29	0.010	U	0.010	
106-93-4	1,2-Dibromoethane	187.87	0.010	U	0.010	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: _____ Lab Sample ID: MB 200-99436/4
Matrix: Air Lab File ID: 17734_004.D
Analysis Method: TO15 LL Date Collected: _____
Sample wt/vol: 500 (mL) Date Analyzed: 01/12/2016 19:11
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.: 99436 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.010	U	0.010	
95-47-6	o-Xylene	106.17	0.010	U	0.010	
75-25-2	Bromoform	252.75	0.010	U	0.010	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.010	U	0.010	
622-96-8	4-Ethyltoluene	120.20	0.010	U	0.010	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.020	U	0.020	
540-59-0	1,2-Dichloroethene, Total	96.94	0.010	U	0.010	
179601-23-1	m-Xylene & p-Xylene	106.17	0.020	U	0.020	
1330-20-7	Xylenes, Total	106.17	0.010	U	0.010	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Client Sample ID: _____ Lab Sample ID: MB 200-99436/4
 Matrix: Air Lab File ID: 17734_004.D
 Analysis Method: TO15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 01/12/2016 19:11
 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.: 99436 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.049	U	0.049	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.070	U	0.070	
75-01-4	Vinyl chloride	62.50	0.051	U	0.051	
106-99-0	1,3-Butadiene	54.09	0.044	U	0.044	
74-83-9	Bromomethane	94.94	0.078	U	0.078	
75-00-3	Chloroethane	64.52	0.053	U	0.053	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.087	U	0.087	
75-69-4	Trichlorofluoromethane	137.37	0.056	U	0.056	
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	
107-05-1	3-Chloropropene	76.53	0.063	U	0.063	
75-09-2	Methylene Chloride	84.93	0.35	U	0.35	
1634-04-4	Methyl tert-butyl ether	88.15	0.036	U	0.036	
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	
110-54-3	n-Hexane	86.17	0.070	U	0.070	
75-34-3	1,1-Dichloroethane	98.96	0.040	U	0.040	
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	
67-66-3	Chloroform	119.38	0.049	U	0.049	
71-55-6	1,1,1-Trichloroethane	133.41	0.055	U	0.055	
110-82-7	Cyclohexane	84.16	0.034	U	0.034	
56-23-5	Carbon tetrachloride	153.81	0.063	U	0.063	
540-84-1	2,2,4-Trimethylpentane	114.23	0.047	U	0.047	
71-43-2	Benzene	78.11	0.032	U	0.032	
107-06-2	1,2-Dichloroethane	98.96	0.081	U	0.081	
142-82-5	n-Heptane	100.21	0.041	U	0.041	
79-01-6	Trichloroethene	131.39	0.054	U	0.054	
78-87-5	1,2-Dichloropropane	112.99	0.092	U	0.092	
75-27-4	Bromodichloromethane	163.83	0.067	U	0.067	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.045	U	0.045	
108-88-3	Toluene	92.14	0.038	U	0.038	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.045	U	0.045	
79-00-5	1,1,2-Trichloroethane	133.41	0.055	U	0.055	
127-18-4	Tetrachloroethene	165.83	0.068	U	0.068	
124-48-1	Dibromochloromethane	208.29	0.085	U	0.085	
106-93-4	1,2-Dibromoethane	187.87	0.077	U	0.077	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Client Sample ID: _____ Lab Sample ID: MB 200-99436/4
 Matrix: Air Lab File ID: 17734_004.D
 Analysis Method: TO15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 01/12/2016 19:11
 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.: 99436 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.043	U	0.043	
95-47-6	o-Xylene	106.17	0.043	U	0.043	
75-25-2	Bromoform	252.75	0.10	U	0.10	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.069	U	0.069	
622-96-8	4-Ethyltoluene	120.20	0.049	U	0.049	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.098	U	0.098	
540-59-0	1,2-Dichloroethene, Total	96.94	0.040	U	0.040	
179601-23-1	m-Xylene & p-Xylene	106.17	0.087	U	0.087	
1330-20-7	Xylenes, Total	106.17	0.043	U	0.043	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 12-Jan-2016 19:11:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017734-004
 Operator ID: wrd Instrument ID: CHE.i
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 14-Jan-2016 12:15:41 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 08:28:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85		3.147					ND	
2 1,2-Dichloro-1,1,2,2-tetra	85		3.377					ND	
3 Chloromethane	50		3.495					ND	
4 Vinyl chloride	62		3.704					ND	
5 Butadiene	54		3.773					ND	
6 Bromomethane	94		4.362					ND	
7 Chloroethane	64		4.560					ND	
8 Vinyl bromide	106		4.923					ND	
9 Trichlorofluoromethane	101		5.025					ND	
10 1,1,2-Trichloro-1,2,2-trif	101		6.132					ND	
11 1,1-Dichloroethene	96		6.186					ND	
12 3-Chloro-1-propene	41		6.972					ND	
13 Methylene Chloride	49	7.261	7.261	0.000	93	6741		0.0460	
14 Methyl tert-butyl ether	73		7.668					ND	
15 trans-1,2-Dichloroethene	61		7.700					ND	
16 Hexane	57		8.069					ND	
17 1,1-Dichloroethane	63		8.486					ND	
S 18 1,2-Dichloroethene, Total	61		9.200					ND	
19 cis-1,2-Dichloroethene	96		9.444					ND	
* 20 Chlorobromomethane	128	9.819	9.818	0.000	83	562998	2.00	2.00	
21 Chloroform	83		9.904					ND	
22 1,1,1-Trichloroethane	97		10.155					ND	
23 Cyclohexane	84		10.171					ND	
24 Carbon tetrachloride	117		10.369					ND	
25 Isooctane	57		10.674					ND	
26 Benzene	78		10.696					ND	
27 1,2-Dichloroethane	62		10.813					ND	
28 n-Heptane	43		10.947					ND	
* 29 1,4-Difluorobenzene	114	11.274	11.273	0.001	94	2122260	2.00	2.00	
30 Trichloroethene	95		11.637					ND	
31 1,2-Dichloropropane	63		12.006					ND	
32 Dichlorobromomethane	83		12.376					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75		13.012					ND	
34 Toluene	92		13.435					ND	
35 trans-1,3-Dichloropropene	75		13.815					ND	
36 1,1,2-Trichloroethane	83		14.077					ND	
37 Tetrachloroethene	166		14.210					ND	
38 Chlorodibromomethane	129		14.633					ND	
39 Ethylene Dibromide	107		14.831					ND	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	90	2404433	2.00	2.00	
41 Chlorobenzene	112		15.452					ND	
42 Ethylbenzene	91		15.526					ND	
43 m-Xylene & p-Xylene	106		15.682					ND	
S 44 Xylenes, Total	106		16.000					ND	
45 o-Xylene	106		16.201					ND	
46 Bromoform	173		16.516					ND	
47 1,1,2,2-Tetrachloroethane	83		17.040					ND	
48 4-Ethyltoluene	105		17.244					ND	
49 1,3,5-Trimethylbenzene	105		17.308					ND	
50 1,2,4-Trimethylbenzene	105		17.747					ND	
51 BFB									

Reagents:

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_004.D

Injection Date: 12-Jan-2016 19:11:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

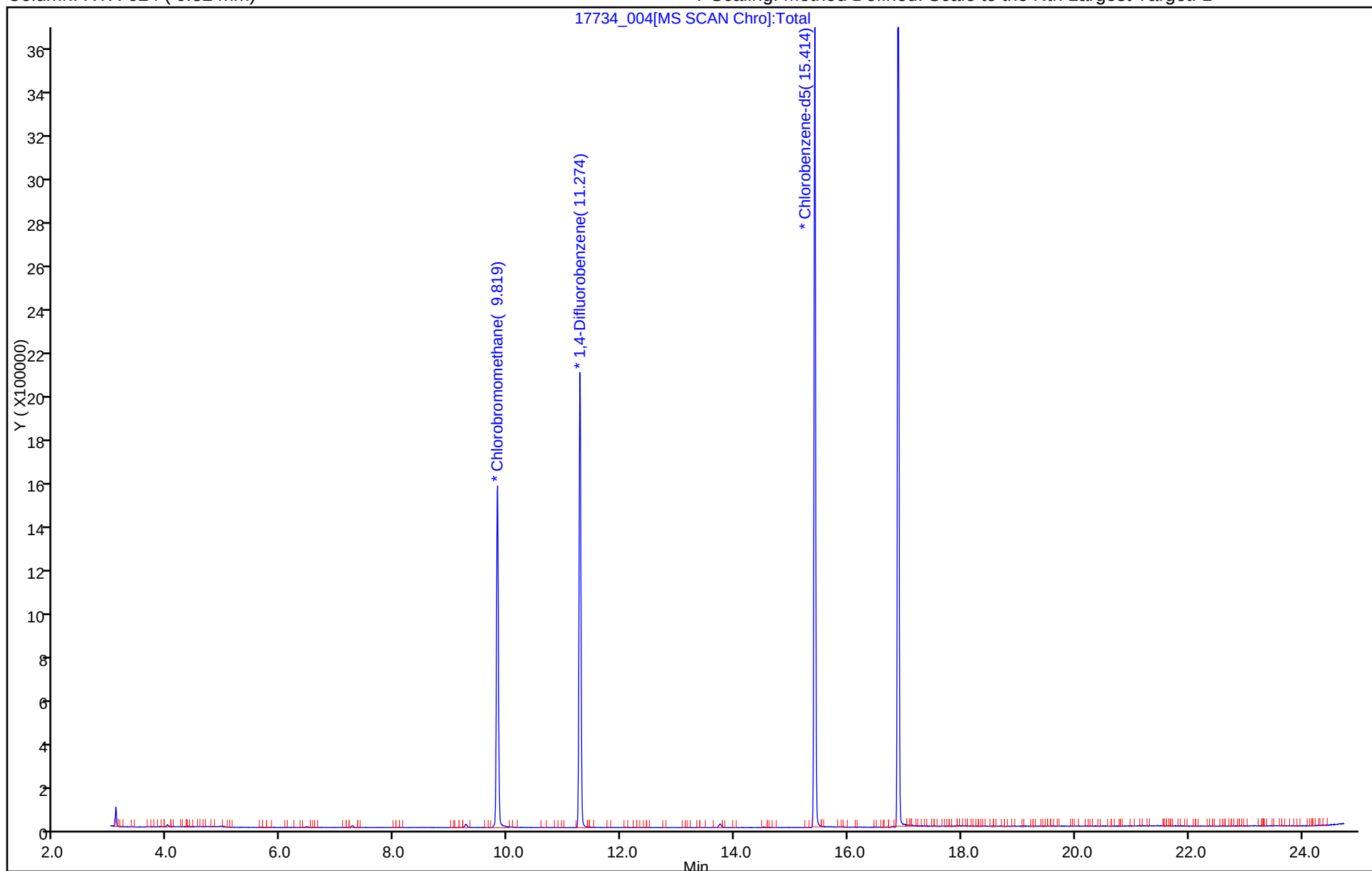
ALS Bottle#: 4

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: _____	Lab Sample ID: <u>LCS 200-99436/3</u>
Matrix: <u>Air</u>	Lab File ID: <u>17734_003.D</u>
Analysis Method: <u>TO15 LL</u>	Date Collected: _____
Sample wt/vol: <u>500 (mL)</u>	Date Analyzed: <u>01/12/2016 18:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>99436</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.205		0.010	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.241		0.010	
75-01-4	Vinyl chloride	62.50	0.205		0.020	
106-99-0	1,3-Butadiene	54.09	0.227		0.020	
74-83-9	Bromomethane	94.94	0.222		0.020	
75-00-3	Chloroethane	64.52	0.226		0.020	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.230		0.020	
75-69-4	Trichlorofluoromethane	137.37	0.212		0.010	
75-35-4	1,1-Dichloroethene	96.94	0.220		0.010	
107-05-1	3-Chloropropene	76.53	0.192		0.020	
75-09-2	Methylene Chloride	84.93	0.262		0.10	
1634-04-4	Methyl tert-butyl ether	88.15	0.214		0.010	
156-60-5	trans-1,2-Dichloroethene	96.94	0.238		0.010	
110-54-3	n-Hexane	86.17	0.237		0.020	
75-34-3	1,1-Dichloroethane	98.96	0.224		0.010	
156-59-2	cis-1,2-Dichloroethene	96.94	0.201		0.010	
67-66-3	Chloroform	119.38	0.224		0.010	
71-55-6	1,1,1-Trichloroethane	133.41	0.233		0.010	
110-82-7	Cyclohexane	84.16	0.228		0.010	
56-23-5	Carbon tetrachloride	153.81	0.223		0.010	
540-84-1	2,2,4-Trimethylpentane	114.23	0.233		0.010	
71-43-2	Benzene	78.11	0.207		0.010	
107-06-2	1,2-Dichloroethane	98.96	0.228		0.020	
142-82-5	n-Heptane	100.21	0.216		0.010	
79-01-6	Trichloroethene	131.39	0.220		0.010	
78-87-5	1,2-Dichloropropane	112.99	0.222		0.020	
75-27-4	Bromodichloromethane	163.83	0.252		0.010	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.226		0.010	
108-88-3	Toluene	92.14	0.200		0.010	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.244		0.010	
79-00-5	1,1,2-Trichloroethane	133.41	0.214		0.010	
127-18-4	Tetrachloroethene	165.83	0.215		0.010	
124-48-1	Dibromochloromethane	208.29	0.201		0.010	
106-93-4	1,2-Dibromoethane	187.87	0.211		0.010	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: _____ Lab Sample ID: LCS 200-99436/3
Matrix: Air Lab File ID: 17734_003.D
Analysis Method: TO15 LL Date Collected: _____
Sample wt/vol: 500 (mL) Date Analyzed: 01/12/2016 18:13
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.: 99436 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
100-41-4	Ethylbenzene	106.17	0.213		0.010	
95-47-6	o-Xylene	106.17	0.205		0.010	
75-25-2	Bromoform	252.75	0.197		0.010	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.217		0.010	
622-96-8	4-Ethyltoluene	120.20	0.230		0.010	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.232		0.020	
540-59-0	1,2-Dichloroethene, Total	96.94	0.439		0.010	
179601-23-1	m-Xylene & p-Xylene	106.17	0.403		0.020	
1330-20-7	Xylenes, Total	106.17	0.608		0.010	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 12-Jan-2016 18:13:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017734-003
 Operator ID: wrd Instrument ID: CHE.i
 Method: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\TO15_LL_CHE.i.m
 Limit Group: AI_TO5LL_Limits
 Last Update: 14-Jan-2016 12:15:41 Calib Date: 12-Jan-2016 09:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHE.i\20160111-17702.b\17702_019.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: desjardinsb

Date: 13-Jan-2016 08:28:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Dichlorodifluoromethane	85	3.147	3.147	0.000	99	89562	0.2007	0.2046	
2 1,2-Dichloro-1,1,2,2-tetra	85	3.377	3.377	0.000	90	81052	0.2007	0.2413	
3 Chloromethane	50	3.495	3.495	0.000	99	20353	0.2007	0.2415	
4 Vinyl chloride	62	3.704	3.704	0.000	97	24998	0.2007	0.2054	
5 Butadiene	54	3.773	3.773	0.000	90	18496	0.2007	0.2271	
6 Bromomethane	94	4.362	4.362	0.000	98	30888	0.2007	0.2219	
7 Chloroethane	64	4.560	4.560	0.000	98	13150	0.2007	0.2258	
8 Vinyl bromide	106	4.923	4.923	0.000	98	33806	0.2007	0.2295	
9 Trichlorofluoromethane	101	5.025	5.025	0.000	98	102574	0.2007	0.2117	
10 1,1,2-Trichloro-1,2,2-trif	101	6.132	6.132	0.000	96	56779	0.2007	0.2093	
11 1,1-Dichloroethene	96	6.186	6.186	0.000	98	26570	0.2007	0.2197	
12 3-Chloro-1-propene	41	6.972	6.972	0.000	98	27258	0.2007	0.1923	
13 Methylene Chloride	49	7.261	7.261	0.000	93	36376	0.2007	0.2617	
14 Methyl tert-butyl ether	73	7.668	7.668	0.000	96	70730	0.2007	0.2137	
15 trans-1,2-Dichloroethene	61	7.700	7.700	0.000	98	41023	0.2007	0.2377	
16 Hexane	57	8.069	8.069	0.000	90	40014	0.2007	0.2371	
17 1,1-Dichloroethane	63	8.486	8.486	0.000	100	46782	0.2007	0.2239	
S 18 1,2-Dichloroethene, Total	61				0		0.4015	0.4391	
19 cis-1,2-Dichloroethene	96	9.444	9.444	0.000	94	25708	0.2007	0.2014	
* 20 Chlorobromomethane	128	9.818	9.818	0.000	84	534452	2.00	2.00	
21 Chloroform	83	9.904	9.904	0.000	96	62633	0.2007	0.2245	
22 1,1,1-Trichloroethane	97	10.155	10.155	0.000	93	72978	0.2007	0.2331	
23 Cyclohexane	84	10.171	10.171	0.000	89	37336	0.2007	0.2278	
24 Carbon tetrachloride	117	10.369	10.369	0.000	98	76146	0.2007	0.2225	
25 Isooctane	57	10.674	10.674	0.000	98	118885	0.2007	0.2331	
26 Benzene	78	10.696	10.696	0.000	95	74330	0.2007	0.2067	
27 1,2-Dichloroethane	62	10.813	10.813	0.000	99	39333	0.2007	0.2275	
28 n-Heptane	43	10.947	10.947	0.000	91	43388	0.2007	0.2161	
* 29 1,4-Difluorobenzene	114	11.273	11.273	0.000	94	2013743	2.00	2.00	
30 Trichloroethene	95	11.637	11.637	0.000	99	37200	0.2007	0.2203	
31 1,2-Dichloropropane	63	12.006	12.006	0.000	83	25841	0.2007	0.2222	
32 Dichlorobromomethane	83	12.376	12.376	0.000	99	64454	0.2007	0.2519	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 cis-1,3-Dichloropropene	75	13.012	13.012	0.000	95	38919	0.2007	0.2255	
34 Toluene	92	13.435	13.435	0.000	93	51728	0.2007	0.2000	
35 trans-1,3-Dichloropropene	75	13.815	13.815	0.000	97	41484	0.2007	0.2443	
36 1,1,2-Trichloroethane	83	14.077	14.077	0.000	97	25880	0.2007	0.2136	
37 Tetrachloroethene	166	14.210	14.210	0.000	96	54460	0.2007	0.2153	
38 Chlorodibromomethane	129	14.633	14.633	0.000	97	49829	0.2007	0.2007	
39 Ethylene Dibromide	107	14.831	14.831	0.000	99	46285	0.2007	0.2107	
* 40 Chlorobenzene-d5	117	15.414	15.414	0.000	86	2216982	2.00	2.00	
41 Chlorobenzene	112	15.452	15.452	0.000	97	74147	0.2007	0.2334	
42 Ethylbenzene	91	15.526	15.526	0.000	98	119764	0.2007	0.2129	
43 m-Xylene & p-Xylene	106	15.682	15.682	0.000	0	93140	0.4015	0.4034	
S 44 Xylenes, Total	106				0		0.6022	0.6082	
45 o-Xylene	106	16.201	16.201	0.000	98	45288	0.2007	0.2048	
46 Bromoform	173	16.516	16.516	0.000	96	37593	0.2007	0.1972	
47 1,1,2,2-Tetrachloroethane	83	17.040	17.040	0.000	99	67749	0.2007	0.2173	
48 4-Ethyltoluene	105	17.244	17.244	0.000	98	142130	0.2007	0.2297	
49 1,3,5-Trimethylbenzene	105	17.308	17.308	0.000	92	129536	0.2007	0.2324	
50 1,2,4-Trimethylbenzene	105	17.747	17.747	0.000	98	123132	0.2007	0.2474	
51 BFB									

Reagents:

ATT15LLLCsw_00142

Amount Added: 200.00

Units: mL

ATTO15EISs_00007

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 14-Jan-2016 12:15:41

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHE.i\20160112-17734.b\17734_003.D

Injection Date: 12-Jan-2016 18:13:30

Instrument ID: CHE.i

Operator ID: wrd

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

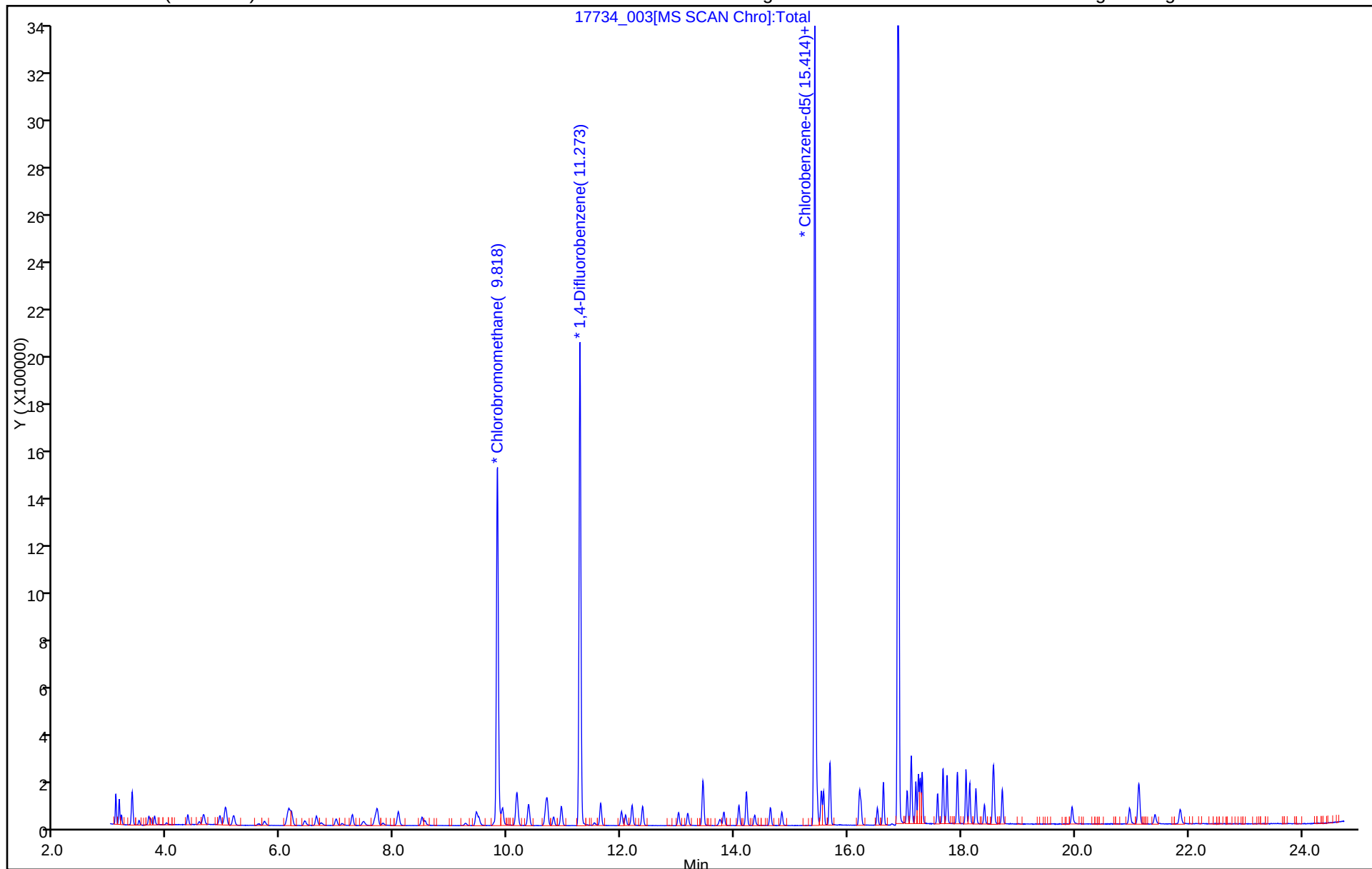
ALS Bottle#: 3

Method: TO15_LL_CHE.i

Limit Group: AI_TO5LL_Limits

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 BurlingtonJob No.: 200-31275-1SDG No.: 200-31275Instrument ID: CHE.iStart Date: 01/11/2016 16:27Analysis Batch Number: 99371End Date: 01/12/2016 15:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99371/1		01/11/2016 16:27	1	177020_001.D	RTX-624 0.32 (mm)
VIBLK 200-99371/2		01/11/2016 17:20	1		RTX-624 0.32 (mm)
IC 200-99371/3-XXX		01/11/2016 18:19	1	17702_003.D	RTX-624 0.32 (mm)
IC 200-99371/4-XXX		01/11/2016 19:17	1	17702_004.D	RTX-624 0.32 (mm)
IC 200-99371/5		01/11/2016 20:15	1	17702_005.D	RTX-624 0.32 (mm)
IC 200-99371/6		01/11/2016 21:14	1	17702_006.D	RTX-624 0.32 (mm)
ICIS 200-99371/7		01/11/2016 22:12	1	17702_007.D	RTX-624 0.32 (mm)
IC 200-99371/8		01/11/2016 23:10	1	17702_008.D	RTX-624 0.32 (mm)
IC 200-99371/9		01/12/2016 00:09	1	17702_009.D	RTX-624 0.32 (mm)
IC 200-99371/10		01/12/2016 01:07	1	17702_010.D	RTX-624 0.32 (mm)
IC 200-99371/11		01/12/2016 02:05	1	17702_011.D	RTX-624 0.32 (mm)
IC 200-99371/12		01/12/2016 03:04	1	17702_012.D	RTX-624 0.32 (mm)
VIBLK 200-99371/13		01/12/2016 04:02	1		RTX-624 0.32 (mm)
VIBLK 200-99371/14		01/12/2016 05:00	1		RTX-624 0.32 (mm)
ICV 200-99371/15-XXX		01/12/2016 05:58	1		RTX-624 0.32 (mm)
ZZZZZ		01/12/2016 06:57	1		RTX-624 0.32 (mm)
VIBLK 200-99371/17		01/12/2016 07:55	1		RTX-624 0.32 (mm)
IC 200-99371/18		01/12/2016 08:54	1	17702_018.D	RTX-624 0.32 (mm)
IC 200-99371/19		01/12/2016 09:52	1	17702_019.D	RTX-624 0.32 (mm)
IC 200-99371/20		01/12/2016 10:50	1	17702_020.D	RTX-624 0.32 (mm)
ICV 200-99371/21-XXX		01/12/2016 11:48	1		RTX-624 0.32 (mm)
VIBLK 200-99371/22		01/12/2016 12:46	1		RTX-624 0.32 (mm)
ICV 200-99371/23		01/12/2016 15:17	1	17702_023.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Instrument ID: CHE.i Start Date: 01/12/2016 16:07
Analysis Batch Number: 99436 End Date: 01/13/2016 10:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99436/1		01/12/2016 16:07	1	17734_001.D	RTX-624 0.32 (mm)
CCVIS 200-99436/2		01/12/2016 17:14	1	17734_002.D	RTX-624 0.32 (mm)
LCS 200-99436/3		01/12/2016 18:13	1	17734_003.D	RTX-624 0.32 (mm)
MB 200-99436/4		01/12/2016 19:11	1	17734_004.D	RTX-624 0.32 (mm)
200-31275-1		01/13/2016 09:03	4	17734_005.D	RTX-624 0.32 (mm)
200-31275-3		01/13/2016 10:01	4	17734_006.D	RTX-624 0.32 (mm)

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.: 200-31275-1
SDG No.: 200-31275
Matrix: Air Level: Low Lab File ID: 17463_03.D
Lab ID: LCS 200-98817/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.70	97	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70-130	
Vinyl chloride	10.0	9.04	90	70-130	
1,3-Butadiene	10.0	8.40	84	70-130	
Bromomethane	10.0	9.99	100	70-130	
Chloroethane	10.0	8.70	87	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.66	97	70-130	
Trichlorofluoromethane	10.0	9.39	94	70-130	
1,1-Dichloroethene	10.0	9.61	96	70-130	
3-Chloropropene	10.0	7.18	72	70-130	
Methylene Chloride	10.0	8.22	82	70-130	
Methyl tert-butyl ether	10.0	9.02	90	70-130	
trans-1,2-Dichloroethene	10.0	9.45	95	70-130	
n-Hexane	10.0	9.28	93	70-130	
1,1-Dichloroethane	10.0	9.08	91	70-130	
cis-1,2-Dichloroethene	10.0	9.84	98	70-130	
Chloroform	10.0	9.76	98	70-130	
1,1,1-Trichloroethane	10.0	10.3	103	70-130	
Cyclohexane	10.0	10.7	107	70-130	
Carbon tetrachloride	10.0	10.6	106	70-130	
2,2,4-Trimethylpentane	10.0	10.2	102	70-130	
Benzene	10.0	10.3	103	70-130	
1,2-Dichloroethane	10.0	10.1	102	70-130	
n-Heptane	10.0	9.90	99	70-130	
Trichloroethene	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
Bromodichloromethane	10.0	9.93	99	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
Toluene	10.0	9.88	99	70-130	
trans-1,3-Dichloropropene	10.0	10.2	102	70-130	
1,1,2-Trichloroethane	10.0	10.4	104	70-130	
Tetrachloroethene	10.0	10.2	102	70-130	
Dibromochloromethane	10.0	9.02	90	70-130	
1,2-Dibromoethane	10.0	10.4	104	70-130	
Ethylbenzene	10.0	9.93	99	70-130	
m,p-Xylene	20.0	20.1	100	70-130	
Xylene, o-	10.0	9.69	97	70-130	
Bromoform	10.0	7.44	74	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70-130	
4-Ethyltoluene	10.0	10.9	109	70-130	
1,3,5-Trimethylbenzene	10.0	8.61	86	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.: 200-31275-1
SDG No.: 200-31275
Lab File ID: 17463_04.D Lab Sample ID: MB 200-98817/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 12/22/2015 13:39
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 200-98817/3	17463_03.D	12/22/2015 12:48
2-SS-121715	200-31275-2	17463_06.D	12/22/2015 15:30

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 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.: 200-31275-1
 SDG No.: 200-31275
 Lab File ID: 17463_01.D BFB Injection Date: 12/22/2015
 Instrument ID: CHX.i BFB Injection Time: 11:11
 Analysis Batch No.: 98817

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	41.9
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	98.6
175	4.0 - 9.0 % of mass 174	7.1 (7.2) 1
176	93.0 - 101.0% of mass 174	95.5 (96.8) 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 200-98817/2	17463_02.D	12/22/2015	11:58
	LCS 200-98817/3	17463_03.D	12/22/2015	12:48
	MB 200-98817/4	17463_04.D	12/22/2015	13:39
2-SS-121715	200-31275-2	17463_06.D	12/22/2015	15:30

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 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 = $\pm$ 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.: 200-31275-1
 SDG No.: 200-31275
 Sample No.: CCVIS 200-98817/2 Date Analyzed: 12/22/2015 11:58
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17463_02.D Heated Purge: (Y/N) N
 Calibration ID: 32893

		BCM		DFB		CBZ		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		358319	10.27	1823035	12.34	1754579	18.68	
UPPER LIMIT		501647	10.60	2552249	12.67	2456411	19.01	
LOWER LIMIT		214991	9.94	1093821	12.01	1052747	18.35	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-98817/3		375877	10.27	1985396	12.35	1891877	18.68	
MB 200-98817/4		364421	10.27	2041058	12.35	1884182	18.68	
200-31275-2		2-SS-121715	357471	10.27	1909142	12.34	1821643	18.68

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: <u>2-SS-121715</u>	Lab Sample ID: <u>200-31275-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>17463_06.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/17/2015 14:40</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>12/22/2015 15:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98817</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.1		0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	
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	
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	
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	
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	
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	0.20	U	0.20	
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	
142-82-5	n-Heptane	100.21	0.20	U	0.20	
79-01-6	Trichloroethene	131.39	0.20	U	0.20	
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	
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	
108-88-3	Toluene	92.14	1.3		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	11		0.20	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Client Sample ID: 2-SS-121715 Lab Sample ID: 200-31275-2
 Matrix: Air Lab File ID: 17463_06.D
 Analysis Method: TO-15 Date Collected: 12/17/2015 14:40
 Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 15:30
 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.: 98817 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	
179601-23-1	m,p-Xylene	106.17	0.82		0.50	
95-47-6	Xylene, o-	106.17	0.28		0.20	
1330-20-7	Xylene (total)	106.17	1.1		0.70	
75-25-2	Bromoform	252.75	0.20	U	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	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	

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: <u>2-SS-121715</u>	Lab Sample ID: <u>200-31275-2</u>
Matrix: <u>Air</u>	Lab File ID: <u>17463_06.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/17/2015 14:40</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>12/22/2015 15:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98817</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	11		2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
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	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	
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	
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	
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	1.3	U	1.3	
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	
142-82-5	n-Heptane	100.21	0.82	U	0.82	
79-01-6	Trichloroethene	131.39	1.1	U	1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
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	
108-88-3	Toluene	92.14	5.1		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	72		1.4	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Client Sample ID: 2-SS-121715 Lab Sample ID: 200-31275-2
 Matrix: Air Lab File ID: 17463_06.D
 Analysis Method: TO-15 Date Collected: 12/17/2015 14:40
 Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 15:30
 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.: 98817 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	
179601-23-1	m,p-Xylene	106.17	3.6		2.2	
95-47-6	Xylene, o-	106.17	1.2		0.87	
1330-20-7	Xylene (total)	106.17	4.8		3.0	
75-25-2	Bromoform	252.75	2.1	U	2.1	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	
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	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D
 Lims ID: 200-31275-A-2 Lab Sample ID: 200-31275-2
 Client ID: 2-SS-121715
 Sample Type: Client
 Inject. Date: 22-Dec-2015 15:30:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017463-006
 Misc. Info.: 31275-2
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Dec-2015 07:50:02 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: XAWRK053

First Level Reviewer: desjardinsb

Date: 23-Dec-2015 07:50:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.161	3.156	0.005	98	162511	2.13	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.413				ND	
7 Vinyl chloride	62		3.777				ND	
8 Butadiene	54		3.851				ND	
9 Bromomethane	94	4.510	4.499	0.011	92	3600	0.1311	
10 Chloroethane	64		4.718				ND	
12 Vinyl bromide	106		5.093				ND	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	96	15800	0.1929	
20 1,1-Dichloroethene	96		6.264				ND	
24 3-Chloro-1-propene	41		7.029				ND	
26 Methylene Chloride	49	7.340	7.323	0.017	77	3883	0.1352	
29 Methyl tert-butyl ether	73		7.746				ND	
30 trans-1,2-Dichloroethene	61		7.757				ND	
32 Hexane	57	8.142	8.131	0.011	92	3587	0.0859	
33 1,1-Dichloroethane	63		8.645				ND	
35 cis-1,2-Dichloroethene	96		9.784				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	75	357471	10.0	
41 Chloroform	83		10.399				ND	
42 Cyclohexane	84	10.651	10.667	0.000	12	1757	0.0339	M
43 1,1,1-Trichloroethane	97		10.688				ND	
44 Carbon tetrachloride	117	10.940	10.945	-0.005	95	4808	0.0581	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.448	11.443	0.005	93	14295	0.1163	
47 1,2-Dichloroethane	62		11.651				ND	
48 n-Heptane	43		11.806				ND	
* 50 1,4-Difluorobenzene	114	12.342	12.341	0.001	92	1909142	10.0	
52 Trichloroethene	95	12.839	12.839	-0.005	29	1729	0.0290	M
53 1,2-Dichloropropane	63		13.438				ND	
57 Dichlorobromomethane	83		14.021				ND	
58 cis-1,3-Dichloropropene	75		14.995				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
62 Toluene	92	15.605	15.610	-0.005	92	138133	1.35	
67 trans-1,3-Dichloropropene	75		16.247				ND	
68 1,1,2-Trichloroethane	83		16.643				ND	
69 Tetrachloroethene	166	16.739	16.739	0.000	96	1024974	10.6	
71 Chlorodibromomethane	129		17.450				ND	
72 Ethylene Dibromide	107		17.734				ND	
* 73 Chlorobenzene-d5	117	18.676	18.675	0.001	82	1821643	10.0	
75 Ethylbenzene	91	18.895	18.895	0.000	97	36070	0.1620	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	74830	0.8191	
S 80 Xylenes, Total	106				0		1.10	
78 o-Xylene	106	20.056	20.056	0.000	97	26100	0.2849	
81 Bromoform	173		20.580				ND	
85 1,1,2,2-Tetrachloroethane	83		21.495				ND	
89 4-Ethyltoluene	105	21.752	21.752	0.000	98	10633	0.0439	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	95	7441	0.0359	

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\20151222-17463.b\17463_06.D

Injection Date: 22-Dec-2015 15:30:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-31275-A-2

Lab Sample ID: 200-31275-2

Worklist Smp#: 6

Client ID: 2-SS-121715

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

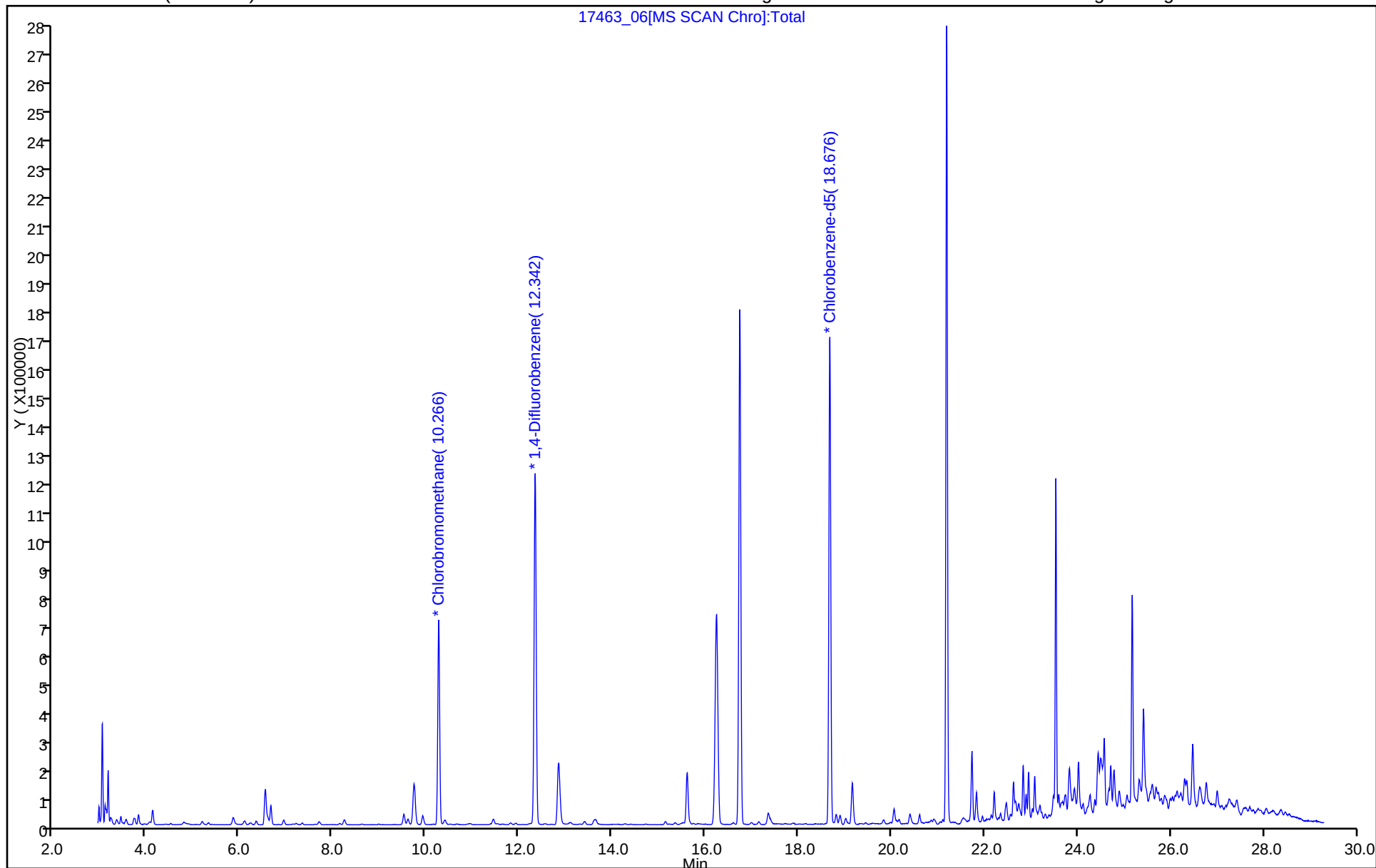
ALS Bottle#: 5

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

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D

Injection Date: 22-Dec-2015 15:30:30

Instrument ID: CHX.i

Lims ID: 200-31275-A-2

Lab Sample ID: 200-31275-2

Client ID: 2-SS-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

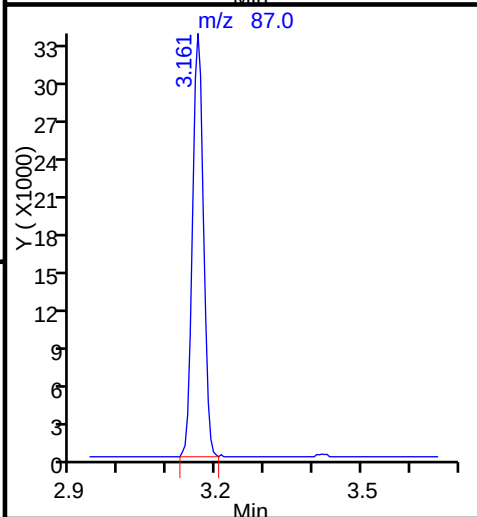
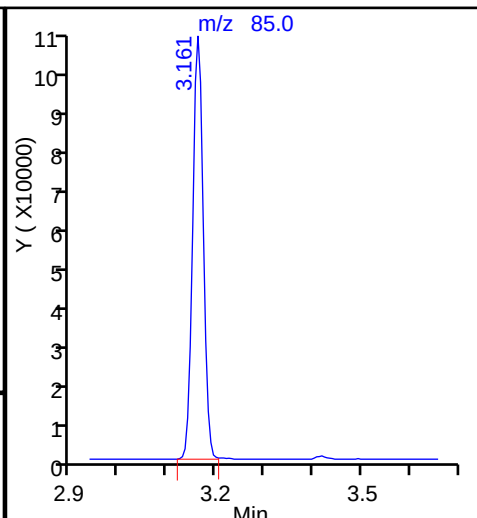
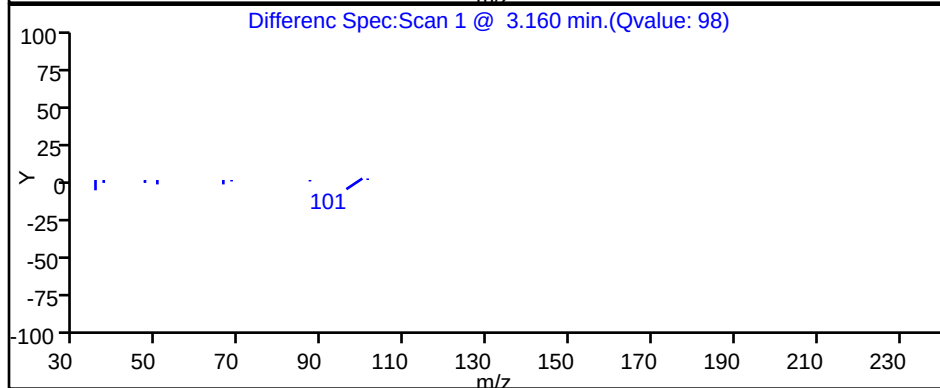
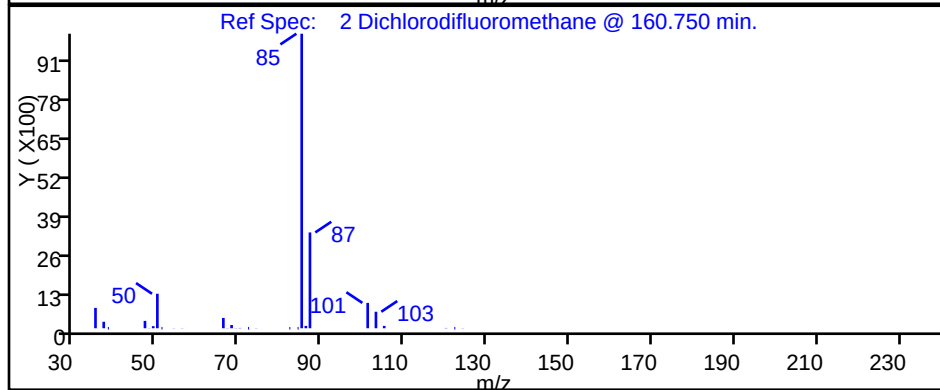
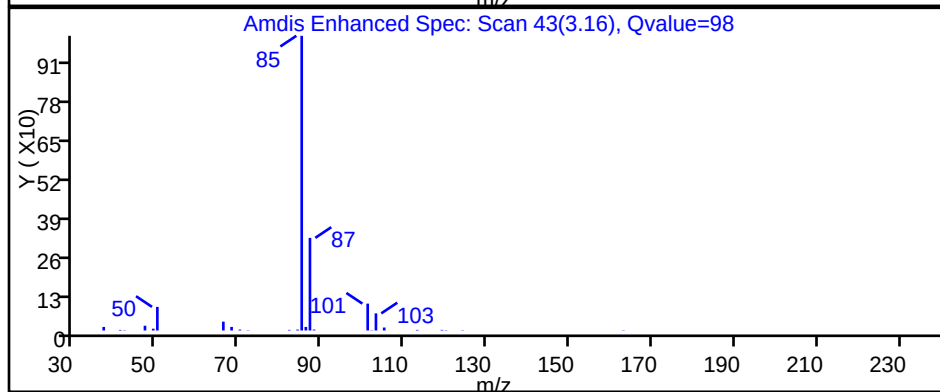
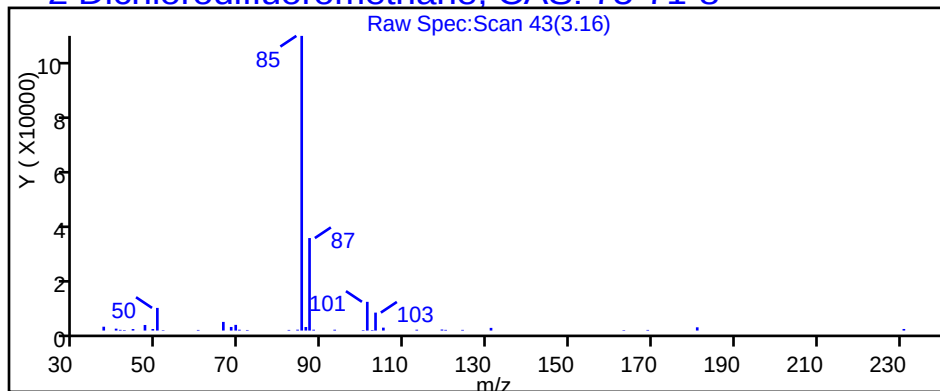
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D

Injection Date: 22-Dec-2015 15:30:30

Instrument ID: CHX.i

Lims ID: 200-31275-A-2

Lab Sample ID: 200-31275-2

Client ID: 2-SS-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 6

Purge Vol: 200.000 mL

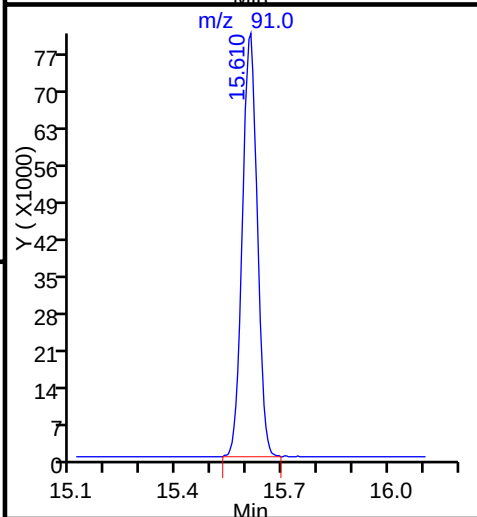
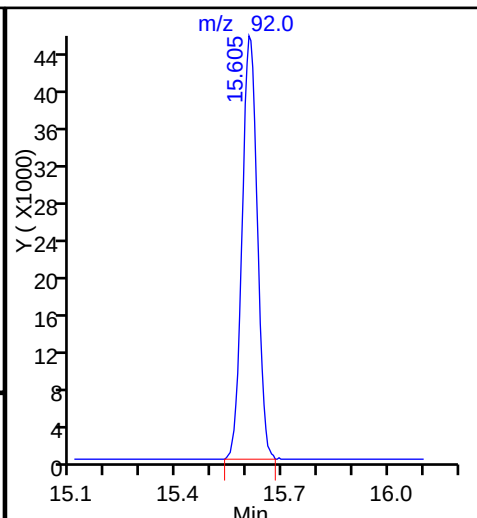
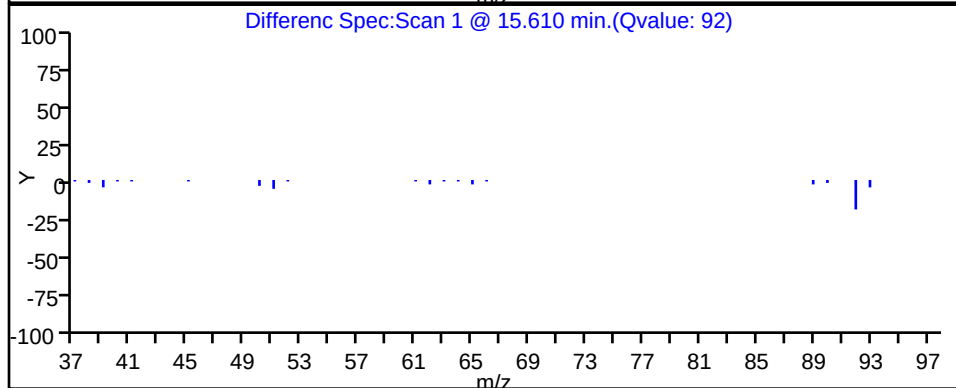
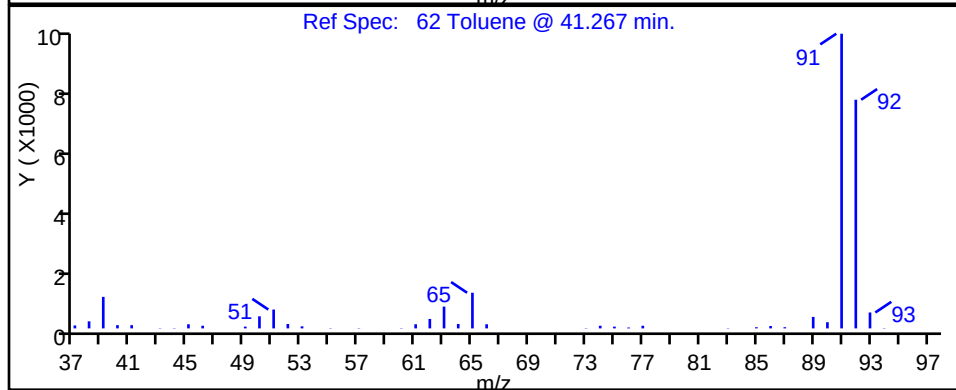
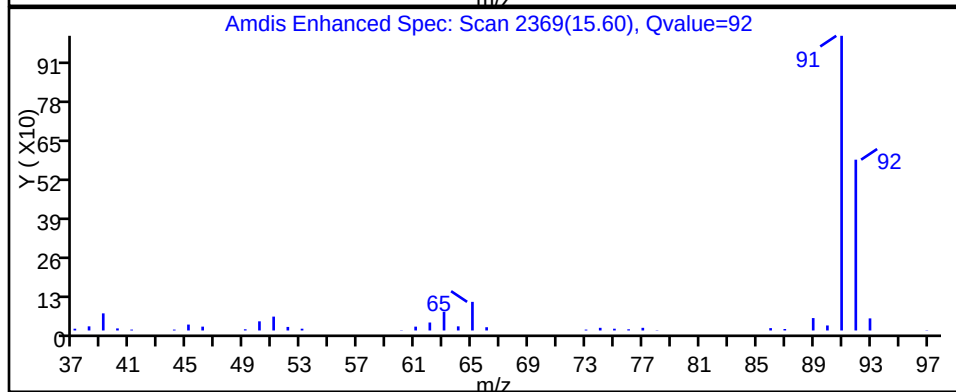
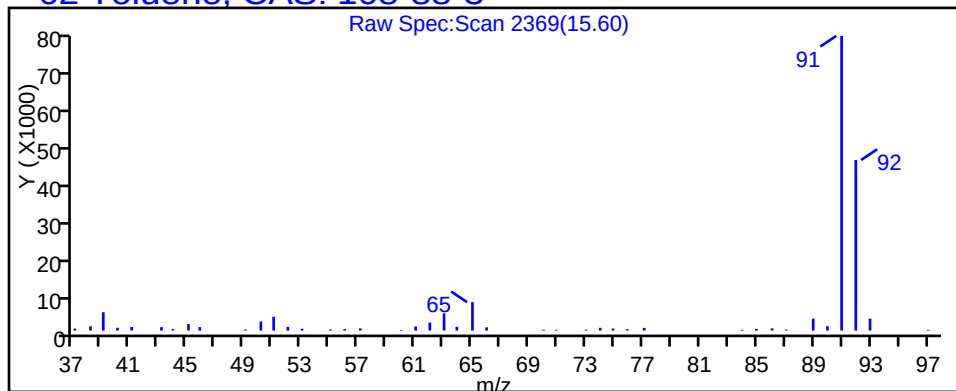
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

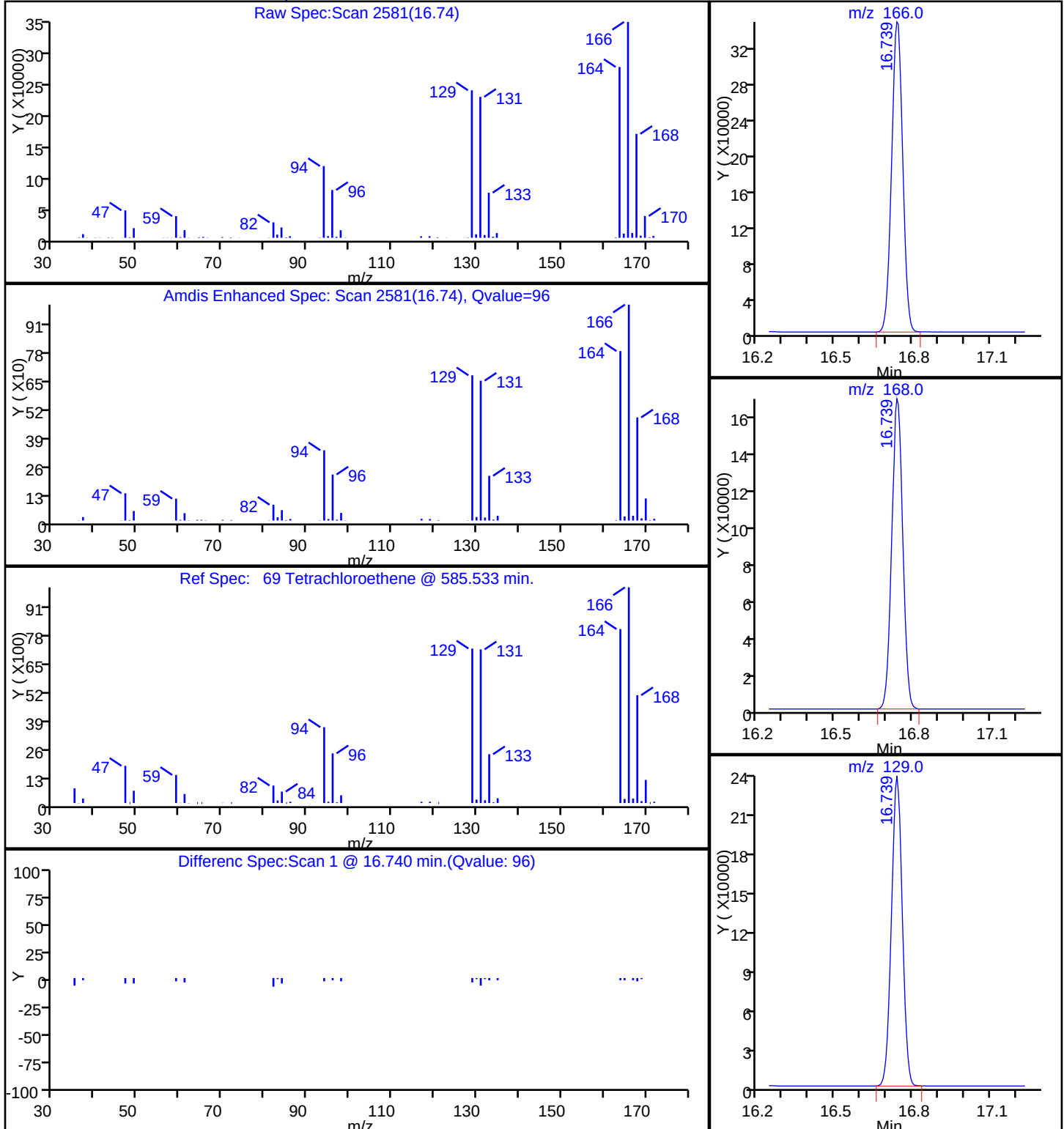
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

62 Toluene, CAS: 108-88-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D
Injection Date: 22-Dec-2015 15:30:30 Instrument ID: CHX.i
Lims ID: 200-31275-A-2 Lab Sample ID: 200-31275-2
Client ID: 2-SS-121715
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 6
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

69 Tetrachloroethene, CAS: 127-18-4

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20151222-17463.b\\17463_06.D

Injection Date: 22-Dec-2015 15:30:30

Instrument ID: CHX.i

Lims ID: 200-31275-A-2

Lab Sample ID: 200-31275-2

Client ID: 2-SS-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 6

Purge Vol: 200.000 mL

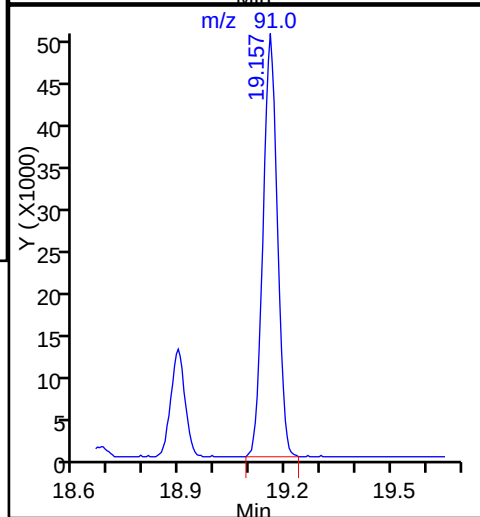
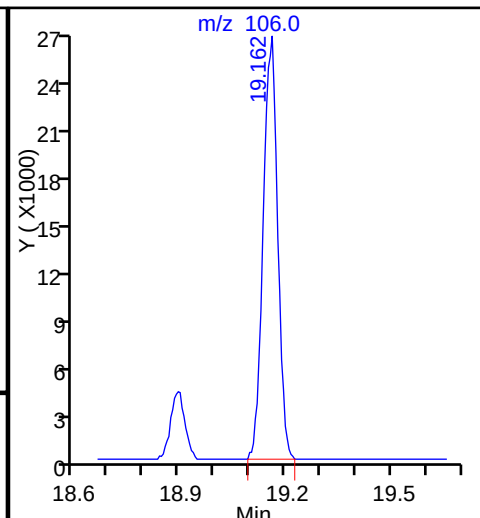
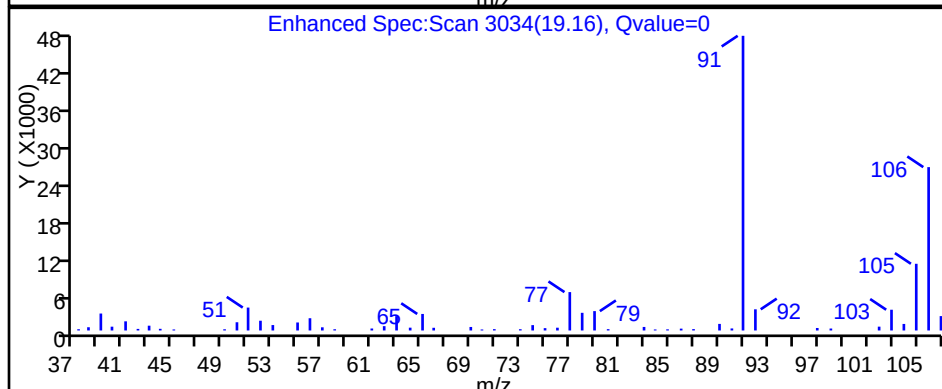
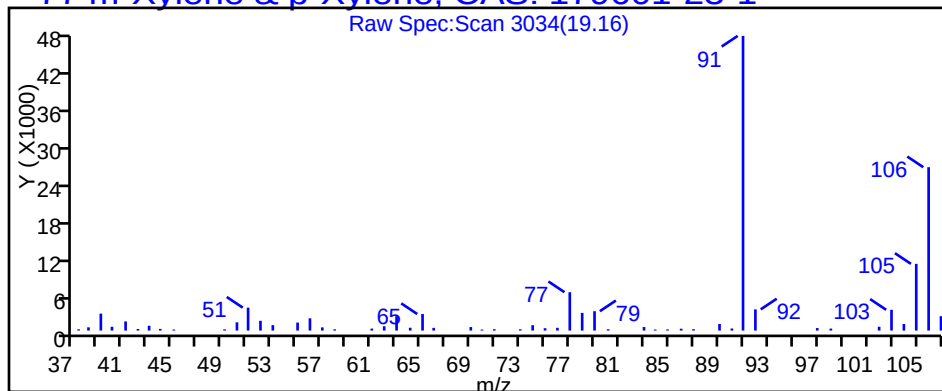
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

77 m-Xylene & p-Xylene, CAS: 179601-23-1

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20151222-17463.b\\17463_06.D

Injection Date: 22-Dec-2015 15:30:30

Instrument ID: CHX.i

Lims ID: 200-31275-A-2

Lab Sample ID: 200-31275-2

Client ID: 2-SS-121715

Operator ID: wrd

ALS Bottle#: 5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

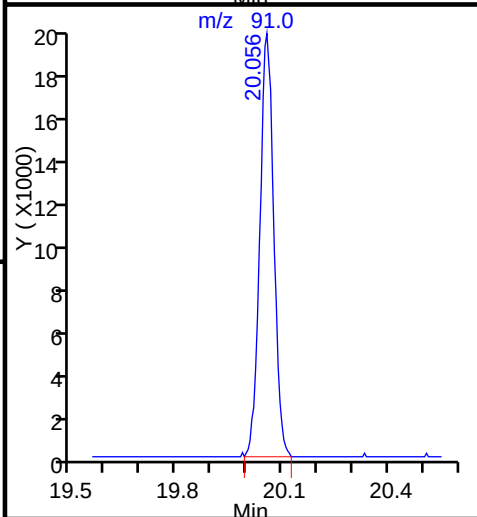
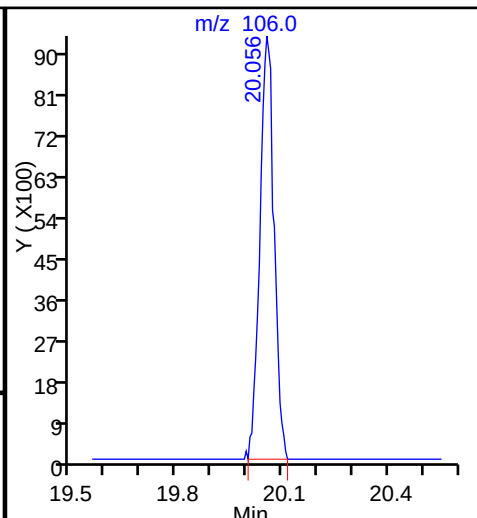
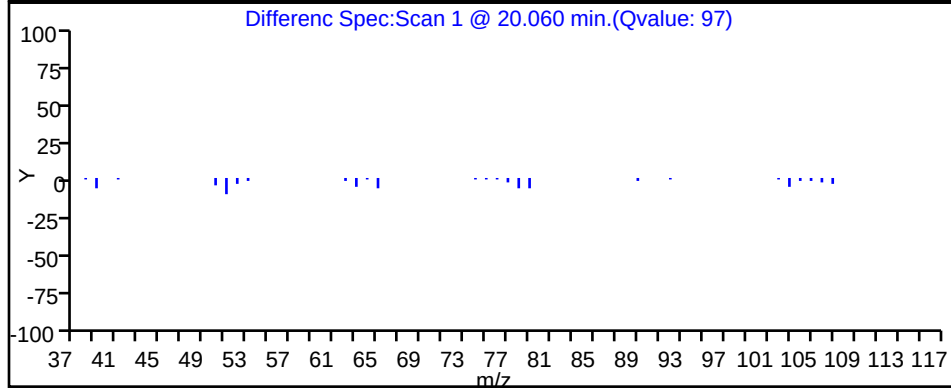
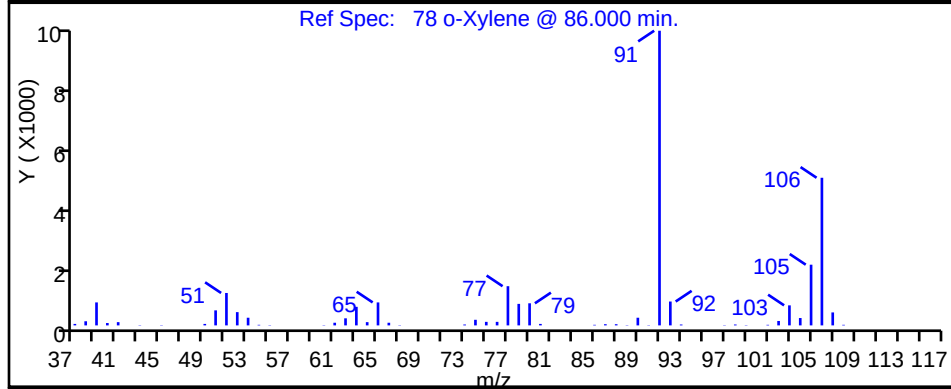
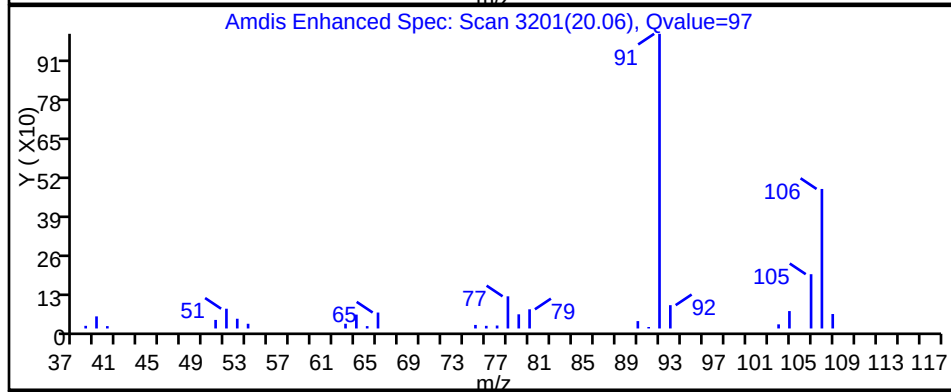
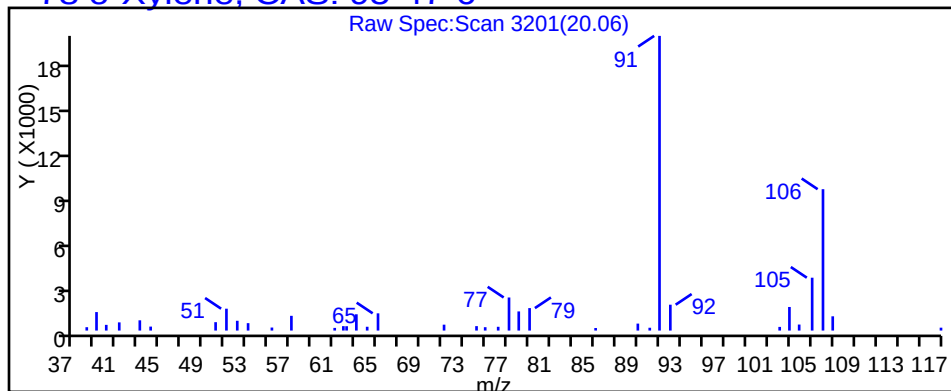
Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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



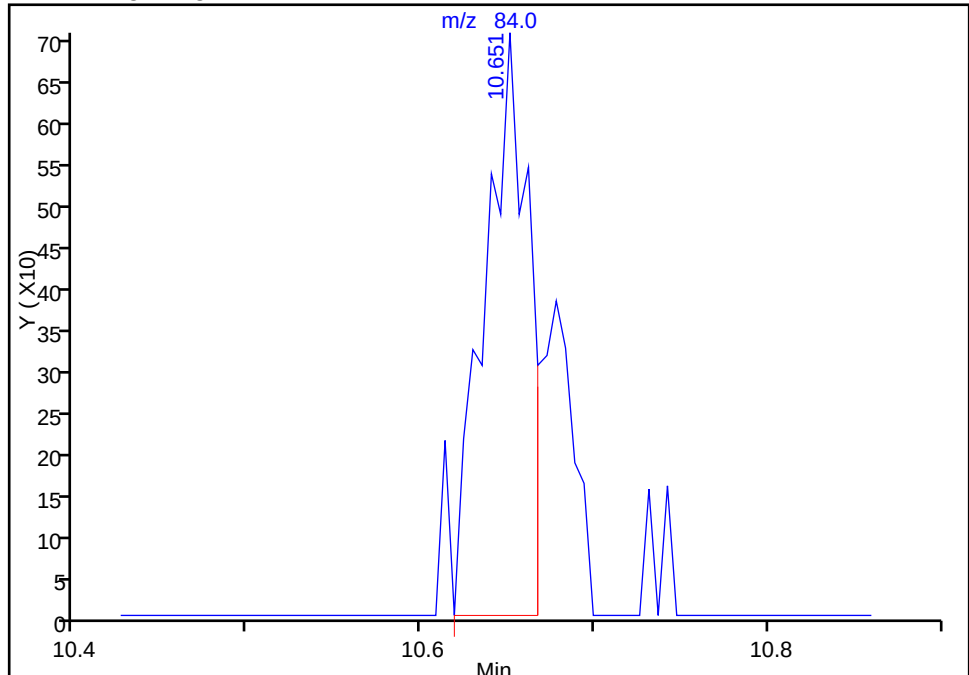
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D		
Injection Date:	22-Dec-2015 15:30:30	Instrument ID:	CHX.i
Lims ID:	200-31275-A-2	Lab Sample ID:	200-31275-2
Client ID:	2-SS-121715		
Operator ID:	wrd	ALS Bottle#:	5
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
		Worklist Smp#:	6

42 Cyclohexane, CAS: 110-82-7

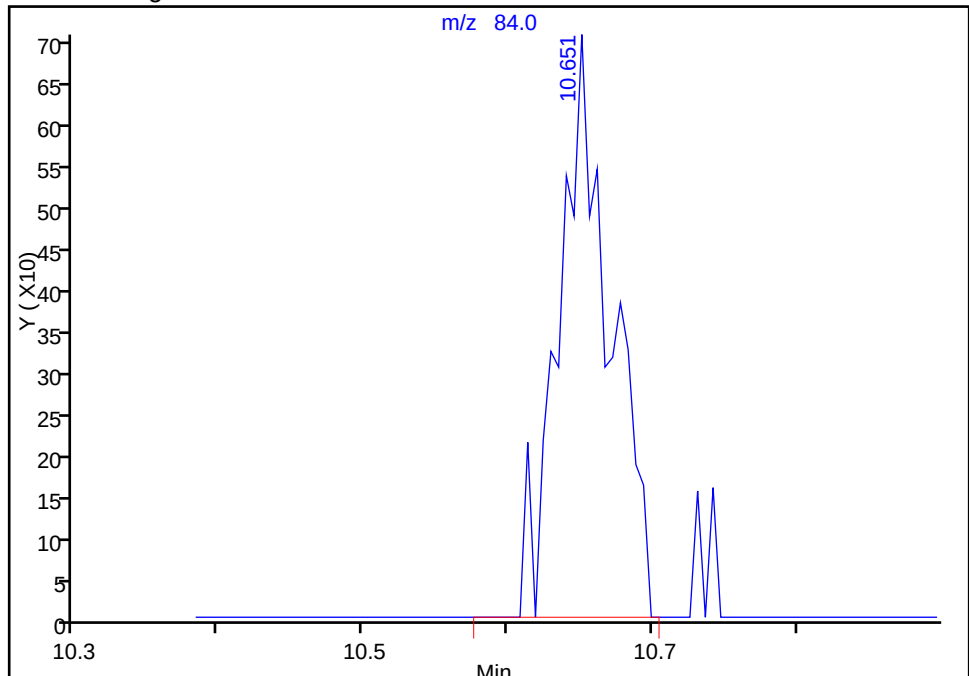
RT: 10.65
Area: 1251
Amount: 0.024148
Amount Units: ppb v/v

Processing Integration Results



RT: 10.65
Area: 1757
Amount: 0.033915
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 23-Dec-2015 07:50:02
Audit Action: Manually Integrated
Audit Reason: Baseline

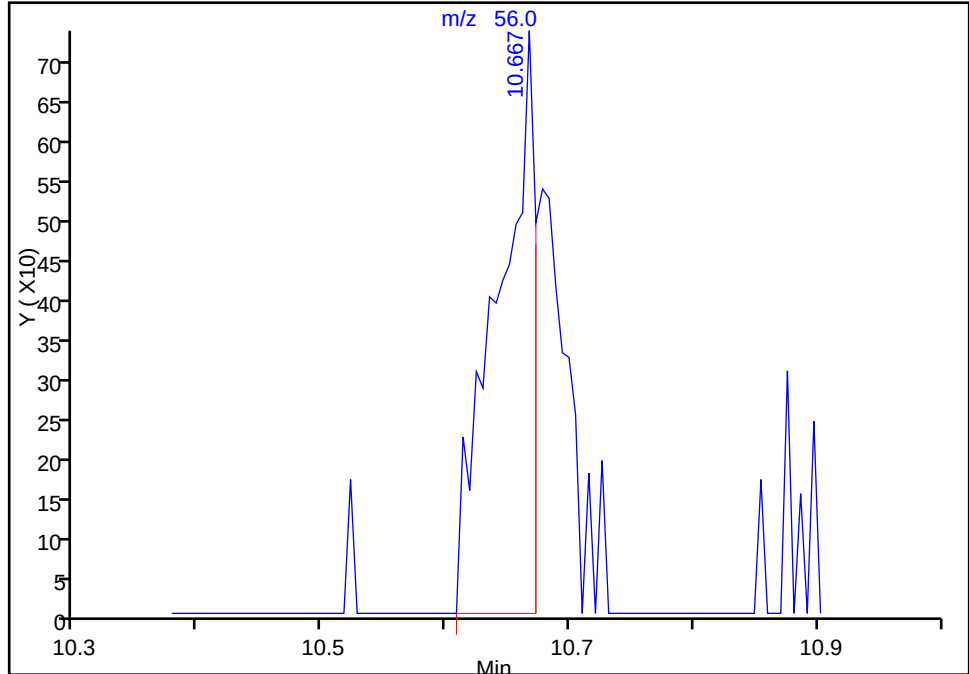
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D		
Injection Date:	22-Dec-2015 15:30:30	Instrument ID:	CHX.i
Lims ID:	200-31275-A-2	Lab Sample ID:	200-31275-2
Client ID:	2-SS-121715		
Operator ID:	wrd	ALS Bottle#:	5
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
		Worklist Smp#:	6

42 Cyclohexane, CAS: 110-82-7

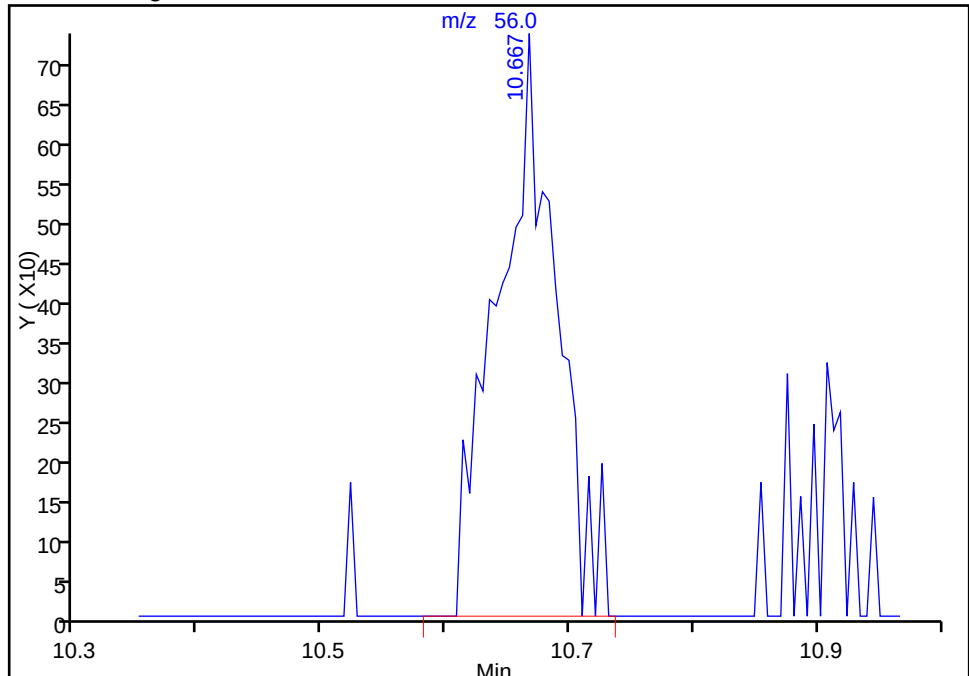
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Area: 1565
Amount: 0.024148
Amount Units: ppb v/v

Processing Integration Results



RT: 10.67
Area: 2451
Amount: 0.033915
Amount Units: ppb v/v

Manual Integration Results



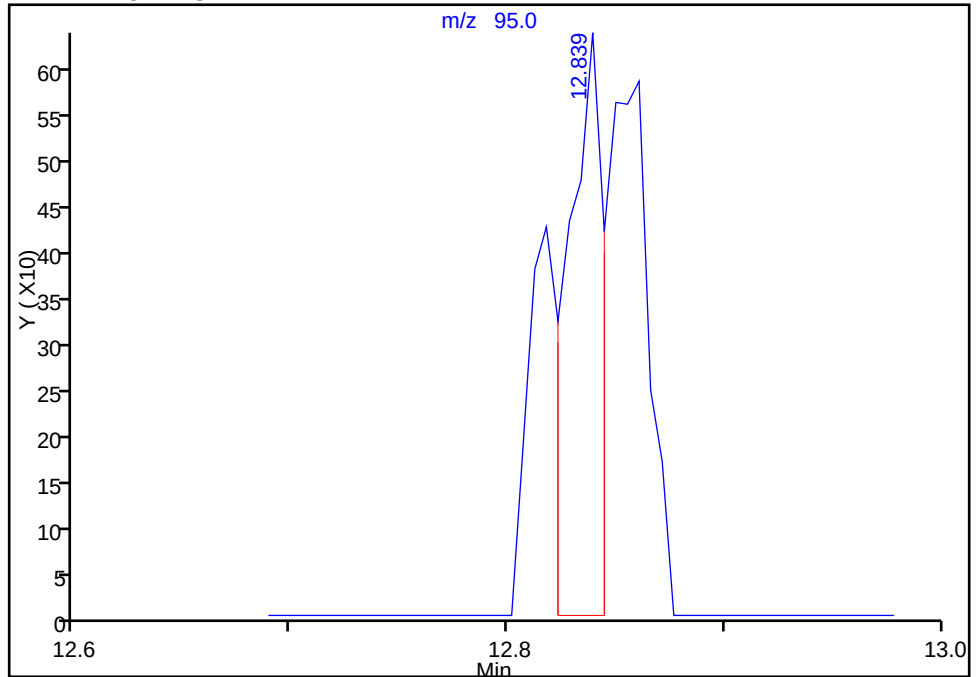
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_06.D		
Injection Date:	22-Dec-2015 15:30:30	Instrument ID:	CHX.i
Lims ID:	200-31275-A-2	Lab Sample ID:	200-31275-2
Client ID:	2-SS-121715		
Operator ID:	wrd	ALS Bottle#:	5
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
		Worklist Smp#:	6

52 Trichloroethene, CAS: 79-01-6

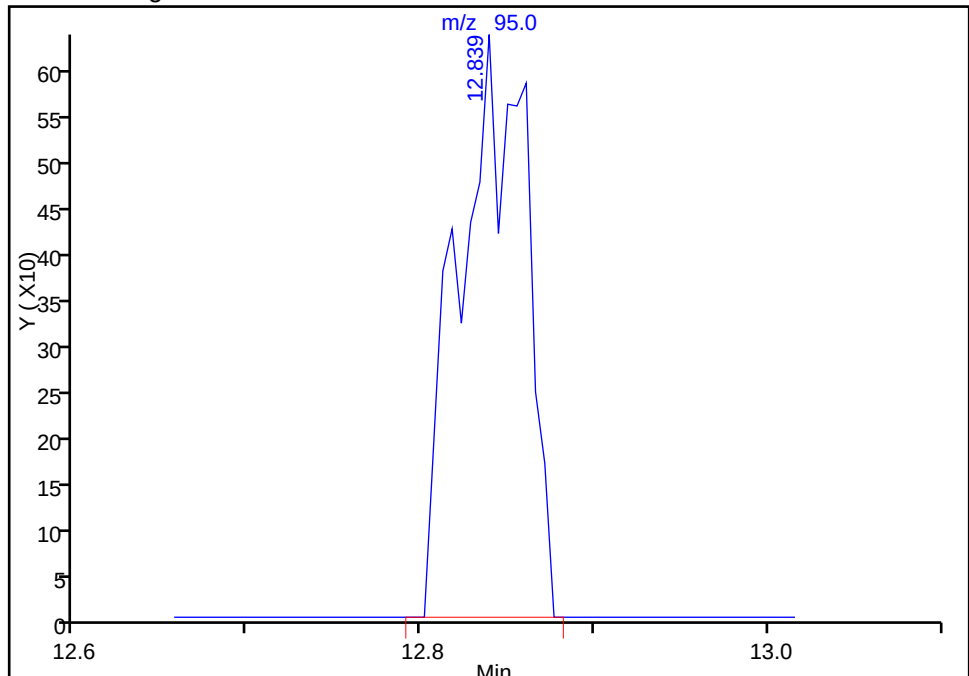
RT: 12.84
Area: 733
Amount: 0.012281
Amount Units: ppb v/v

Processing Integration Results



RT: 12.84
Area: 1729
Amount: 0.028968
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 23-Dec-2015 07:50:02
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.: 200-31275-1 Analy Batch No.: 97814

SDG No.: 200-31275

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			
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.: 200-31275-1 Analy Batch No.: 97814
SDG No.: 200-31275
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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
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.: 200-31275-1 Analy Batch No.: 97814
SDG No.: 200-31275
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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
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	++++ 0.2262	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.: 200-31275-1 Analy Batch No.: 97814
SDG No.: 200-31275
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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
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	1.4063 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.: 200-31275-1 Analy Batch No.: 97814
SDG No.: 200-31275
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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
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.: 200-31275-1 Analy Batch No.: 97814

SDG No.: 200-31275

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.: 200-31275-1 Analy Batch No.: 97814

SDG No.: 200-31275

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	++++ 31162 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	++++ 4830 436095	++++ 11951 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	++++ 14239 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	++++ 7101 553326	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	++++ 618376	++++ 1870 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	++++ 8227 519394	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.: 200-31275-1 Analy Batch No.: 97814

SDG No.: 200-31275

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.: 200-31275-1 Analy Batch No.: 97814

SDG No.: 200-31275

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.: 200-31275-1 Analy Batch No.: 97814

SDG No.: 200-31275

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	++++ 14966 1799481	34948 1897597	446728	806139	++++ 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

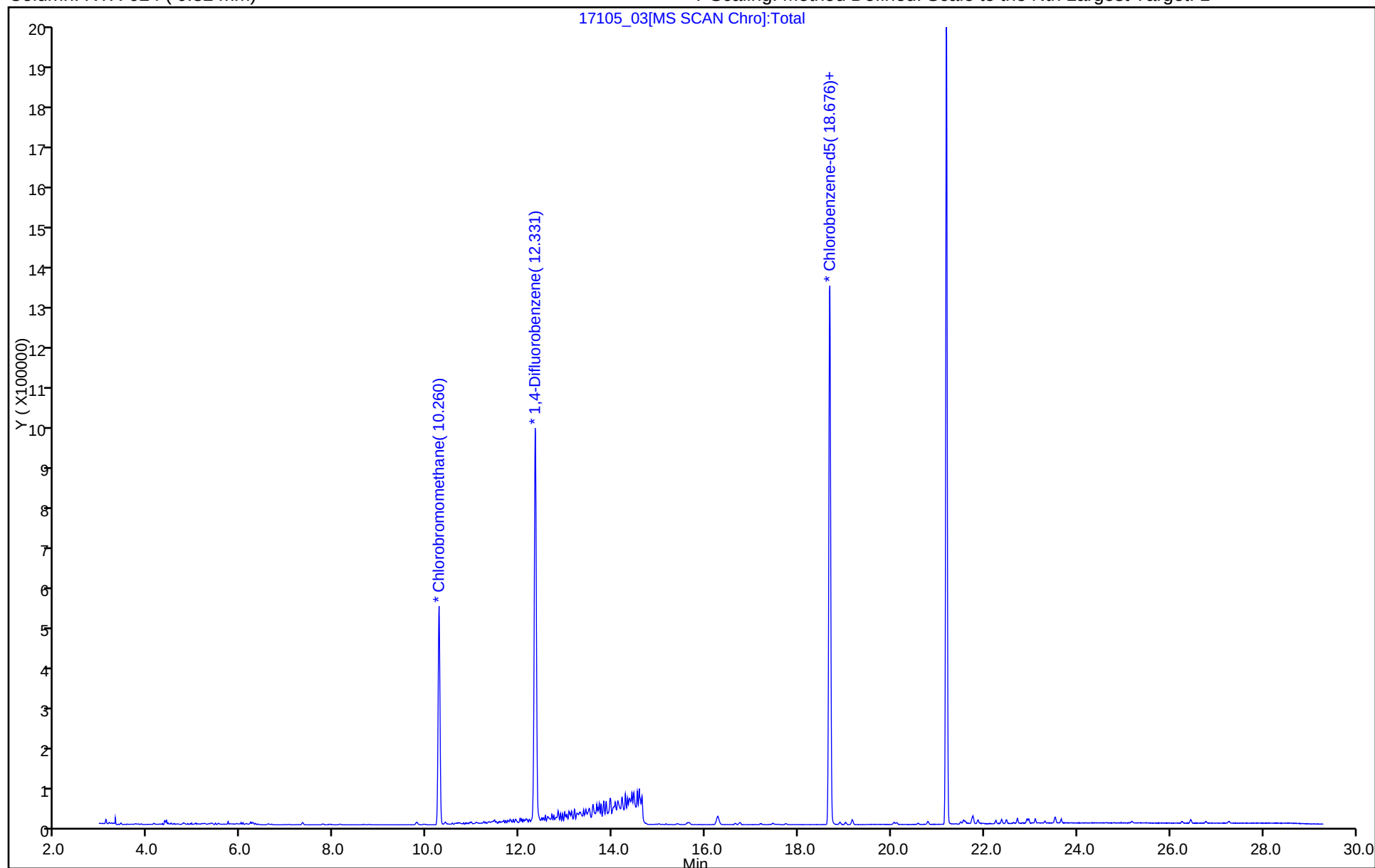
ALS Bottle#: 3

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



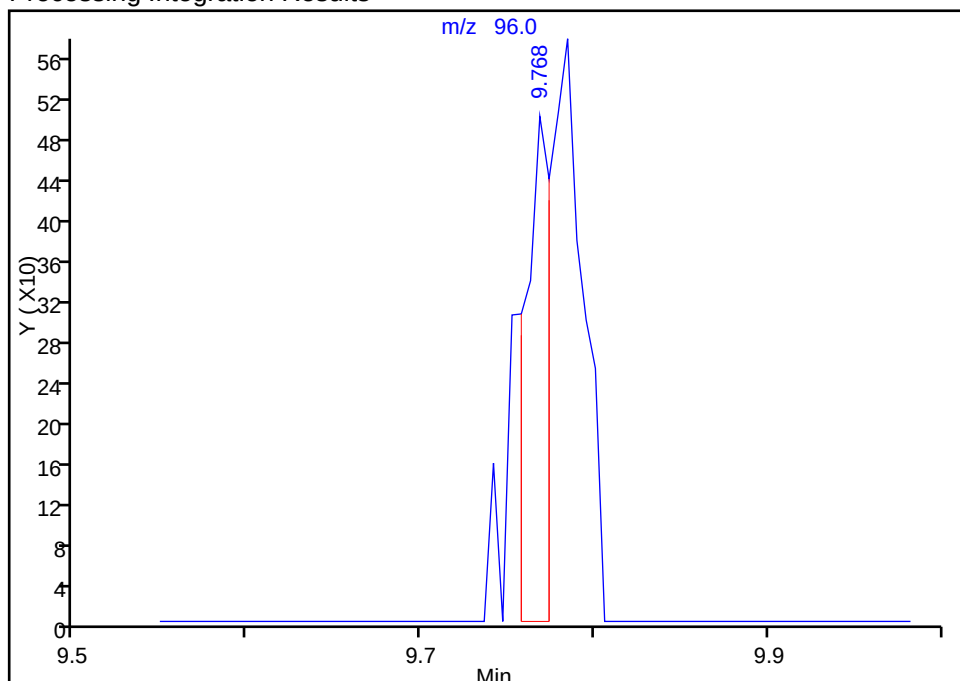
TestAmerica Burlington

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

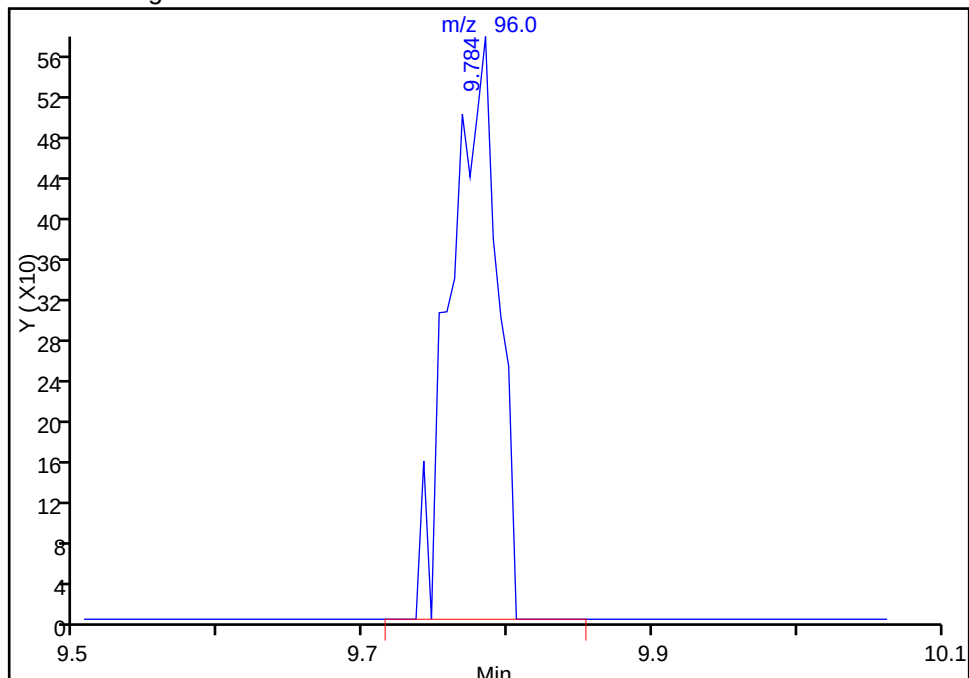
RT: 9.77
Area: 508
Amount: 0.017195
Amount Units: ppb v/v

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

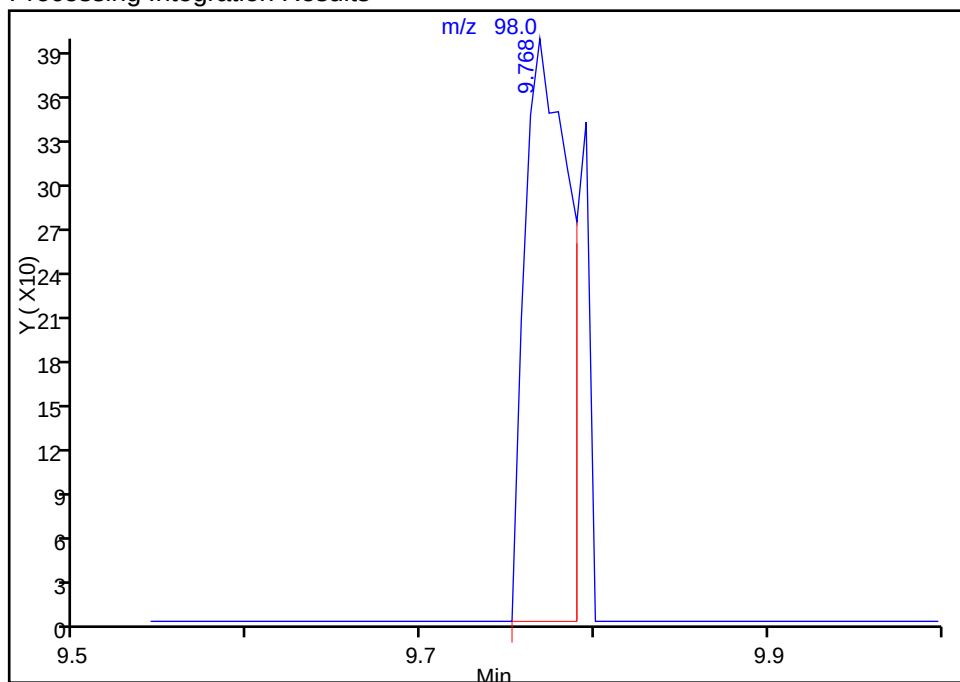
TestAmerica Burlington

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

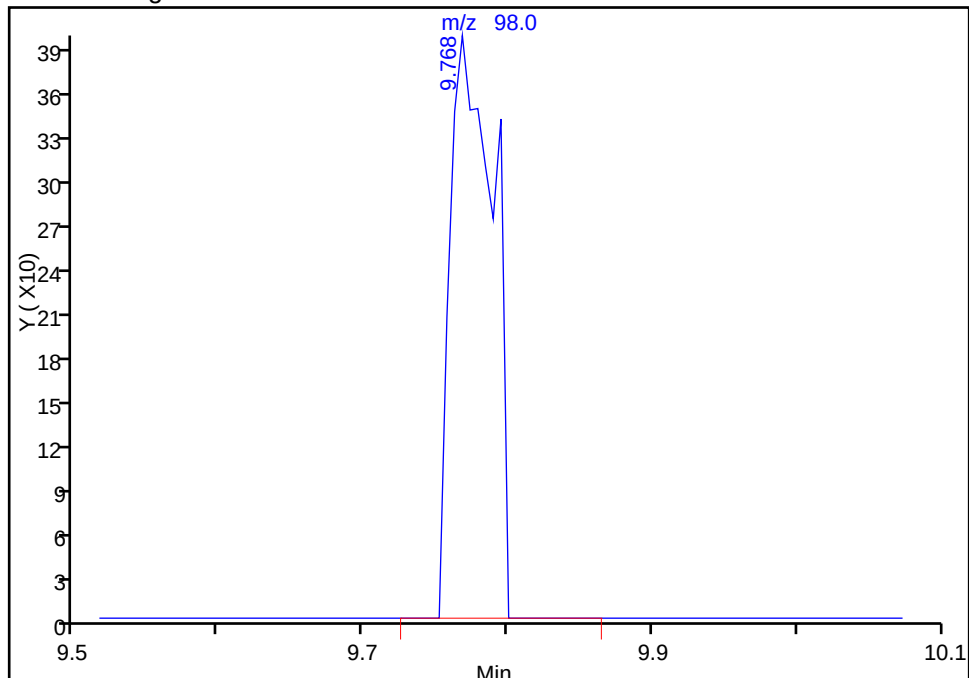
RT: 9.77
Area: 702
Amount: 0.017195
Amount Units: ppb v/v

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

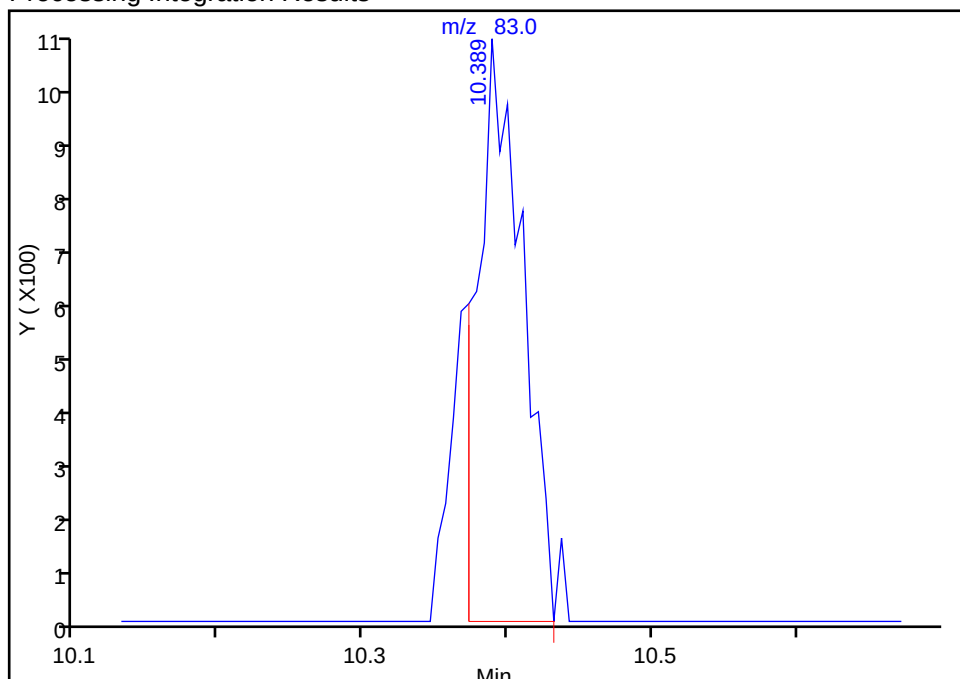
TestAmerica Burlington

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
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
		Worklist Smp#:	3

41 Chloroform, CAS: 67-66-3

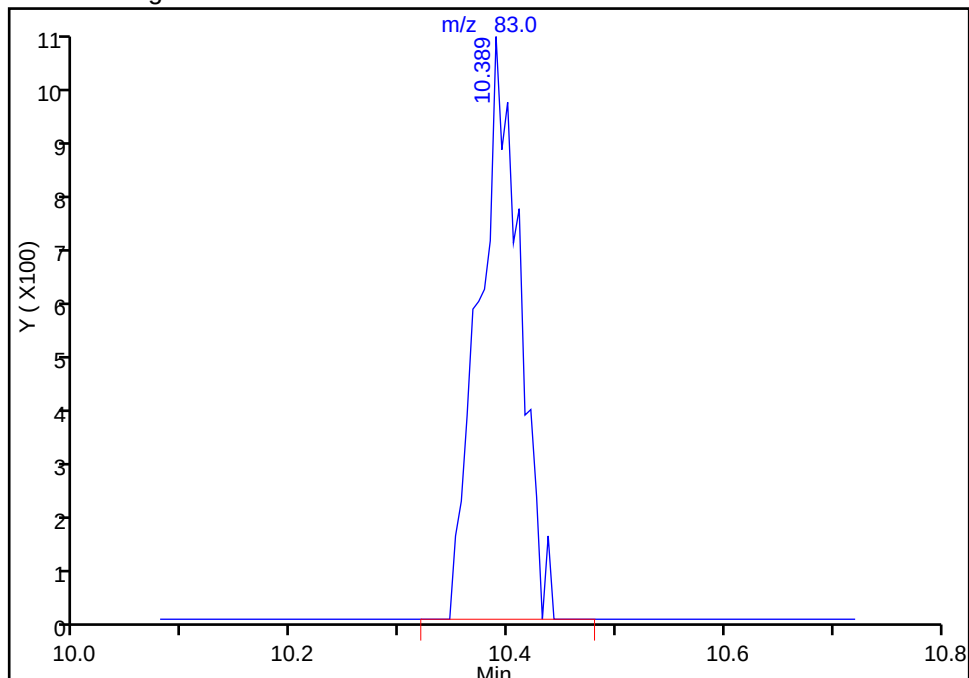
RT: 10.39
Area: 2279
Amount: 0.040265
Amount Units: ppb v/v

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

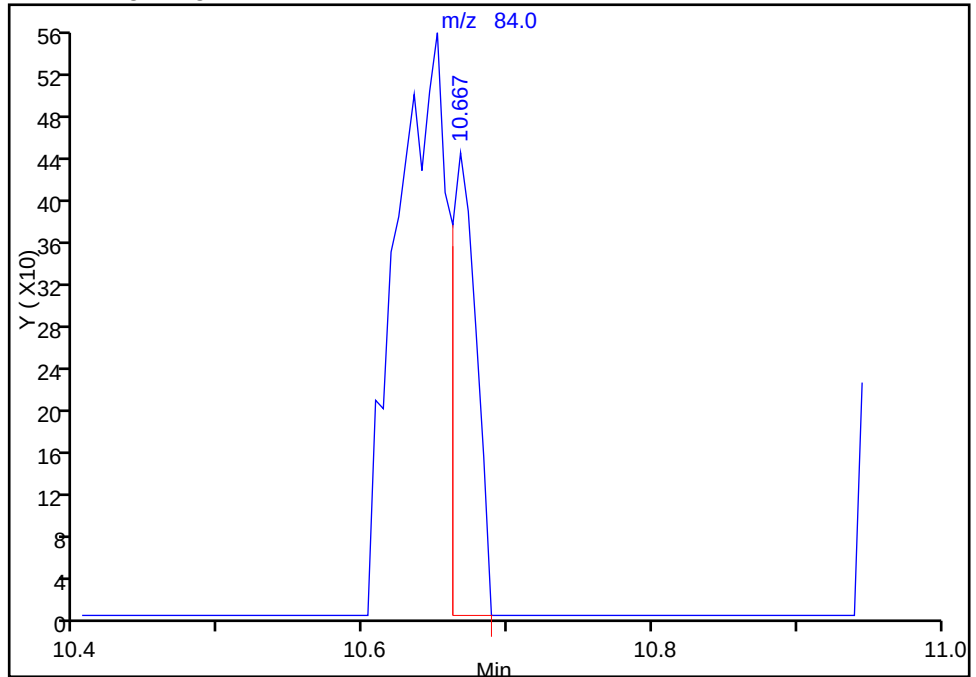
TestAmerica Burlington

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

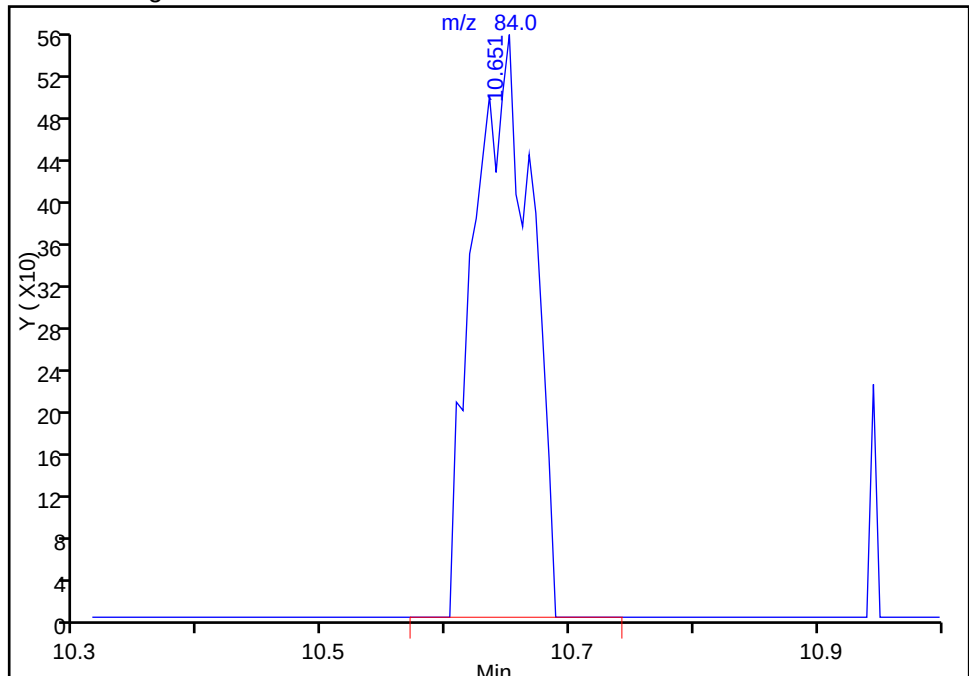
RT: 10.67
Area: 523
Amount: 0.012705
Amount Units: ppb v/v

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

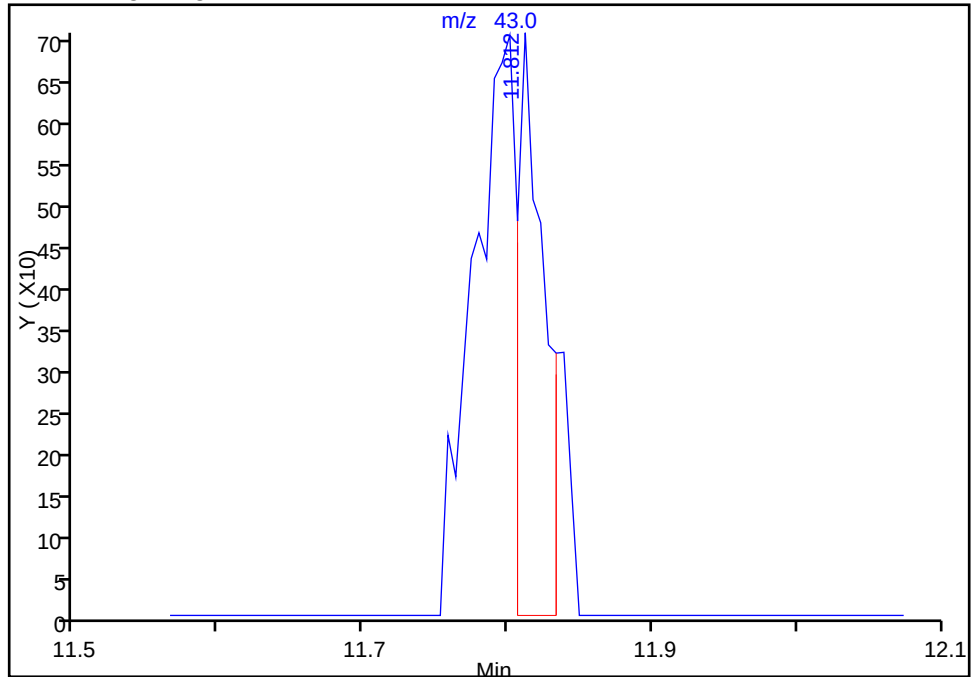
TestAmerica Burlington

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
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
		Worklist Smp#:	3

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

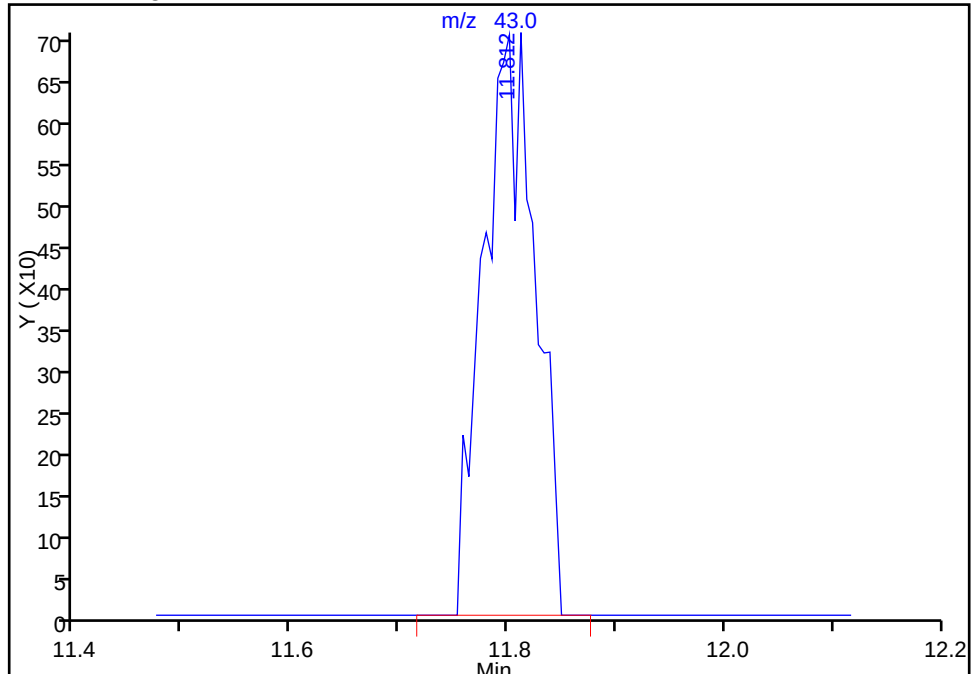
RT: 11.81
Area: 897
Amount: 0.020804
Amount Units: ppb v/v

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

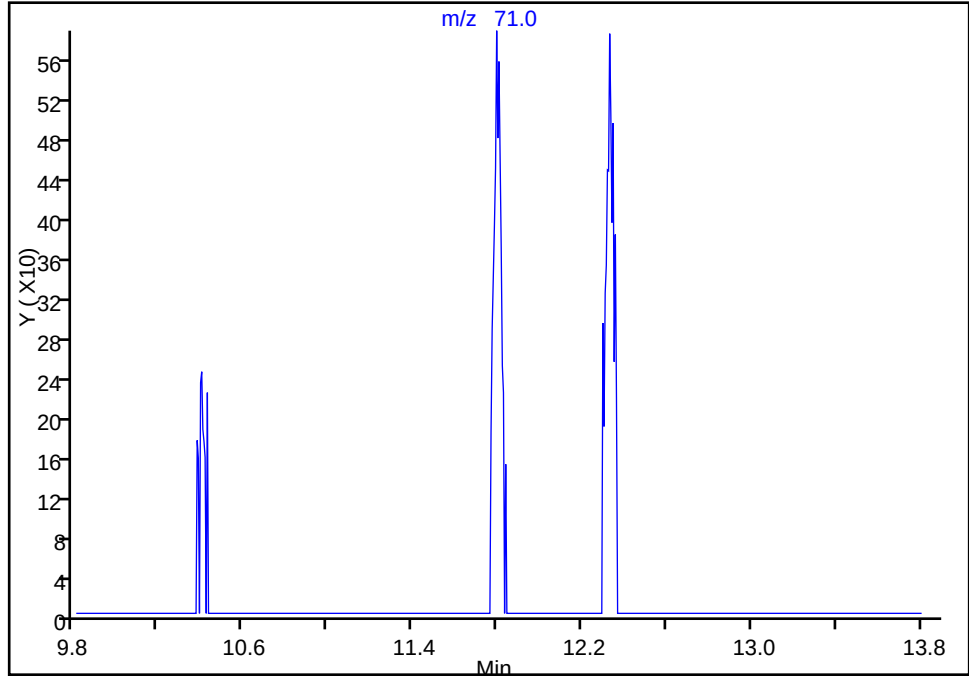
TestAmerica Burlington

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

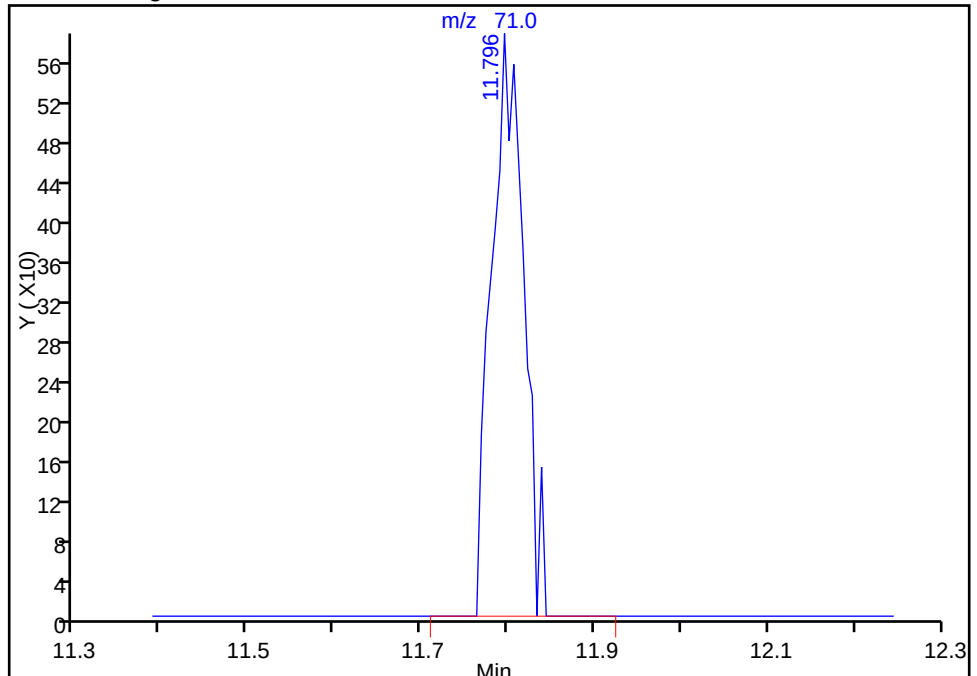
RT: 11.81
Area: 0
Amount: 0.020804
Amount Units: ppb v/v

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

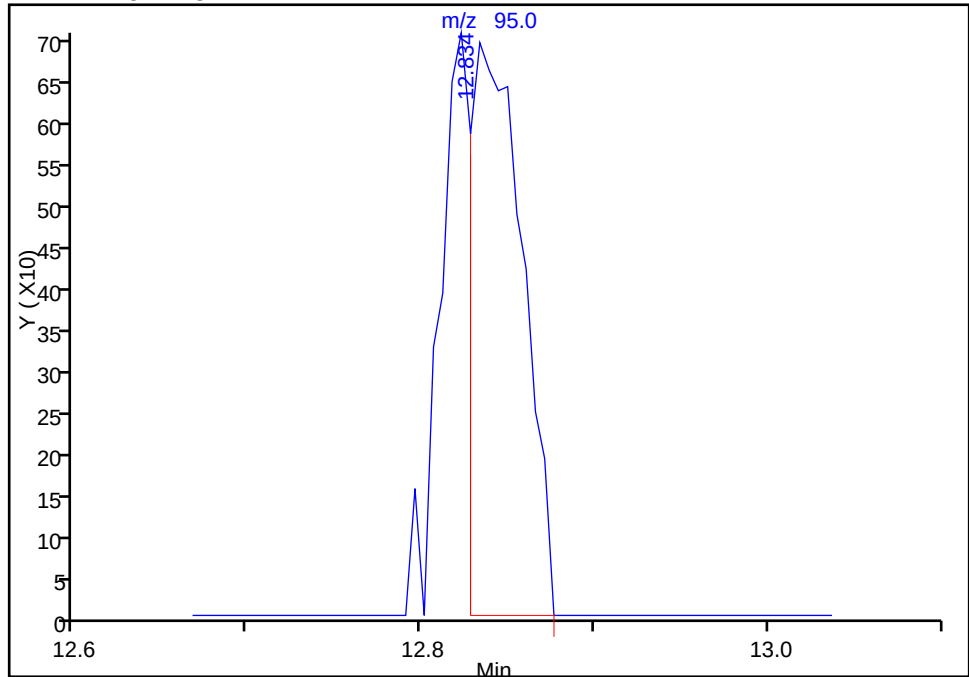
TestAmerica Burlington

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
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LL NJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	3

52 Trichloroethene, CAS: 79-01-6

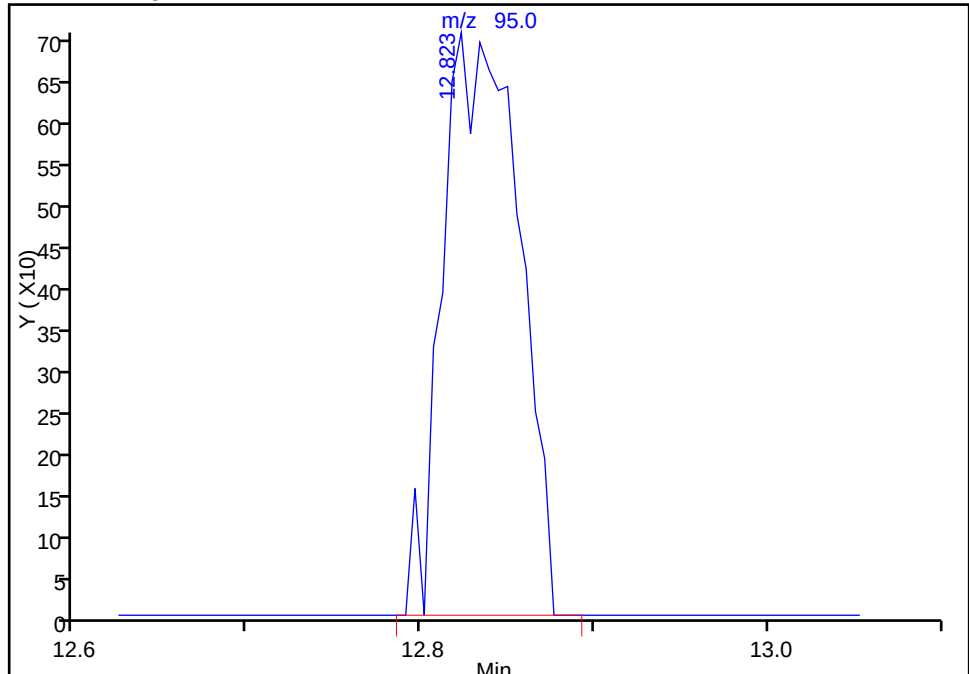
RT: 12.83
Area: 1457
Amount: 0.032226
Amount Units: ppb v/v

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

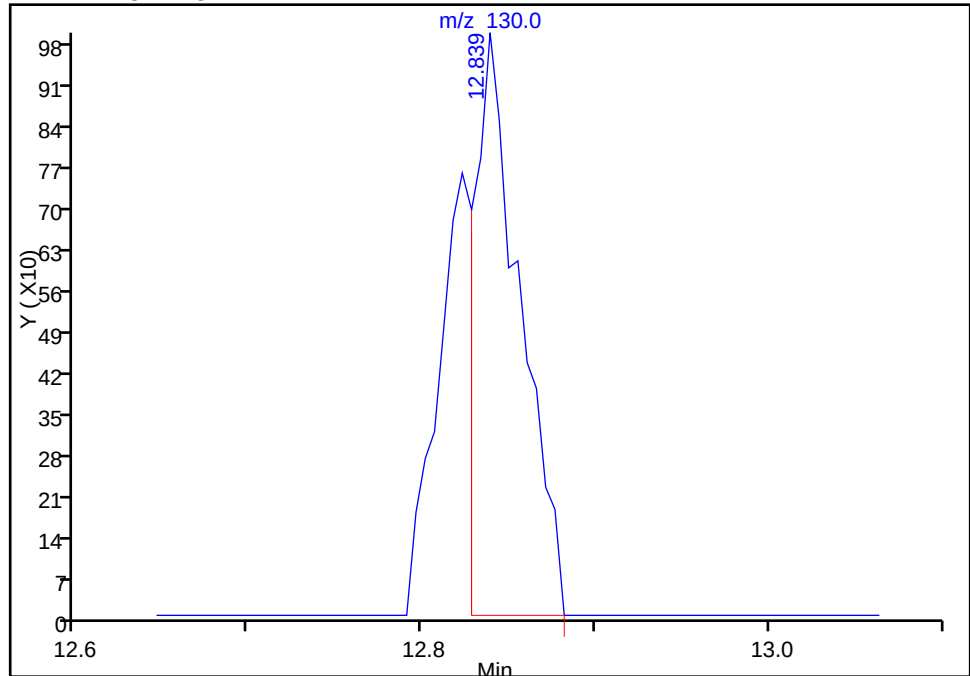
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

52 Trichloroethene, CAS: 79-01-6

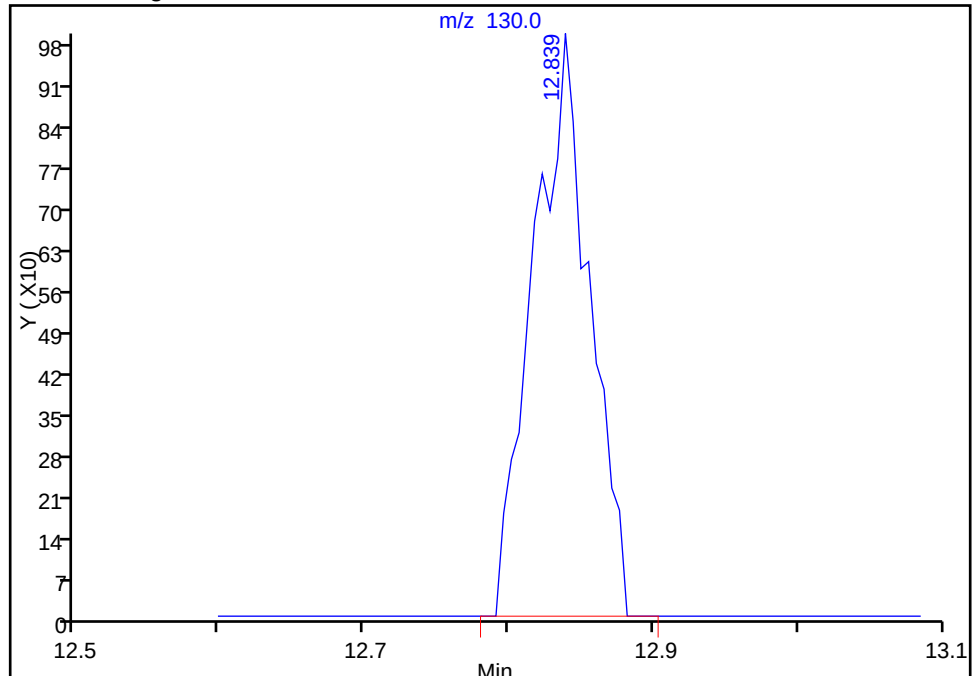
RT: 12.84
Area: 1841
Amount: 0.032226
Amount Units: ppb v/v

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

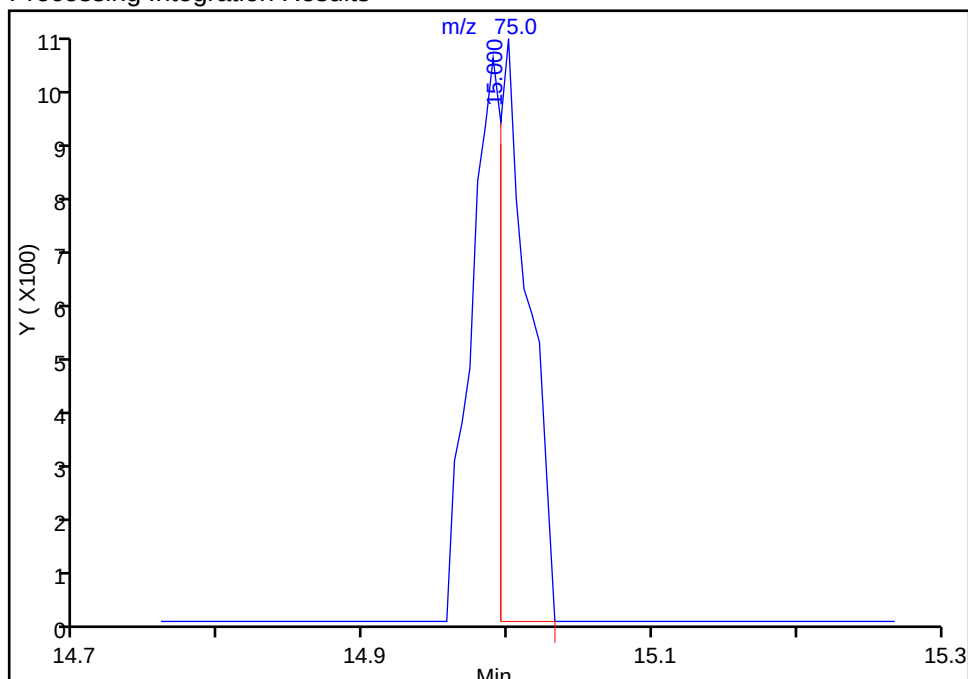
TestAmerica Burlington

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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

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

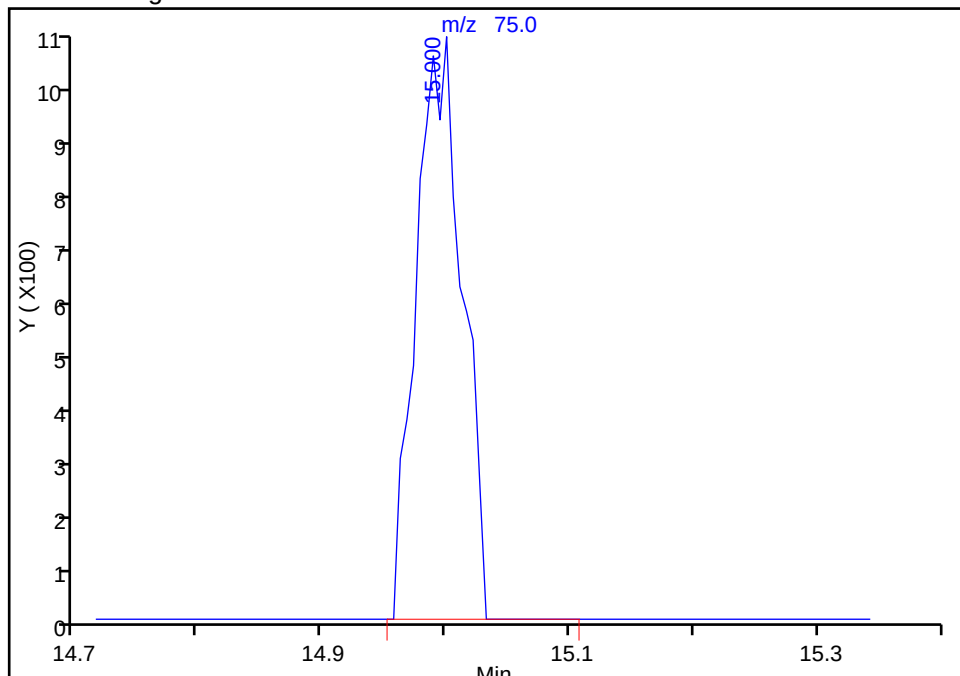
RT: 15.00
Area: 1417
Amount: 0.025530
Amount Units: ppb v/v

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)

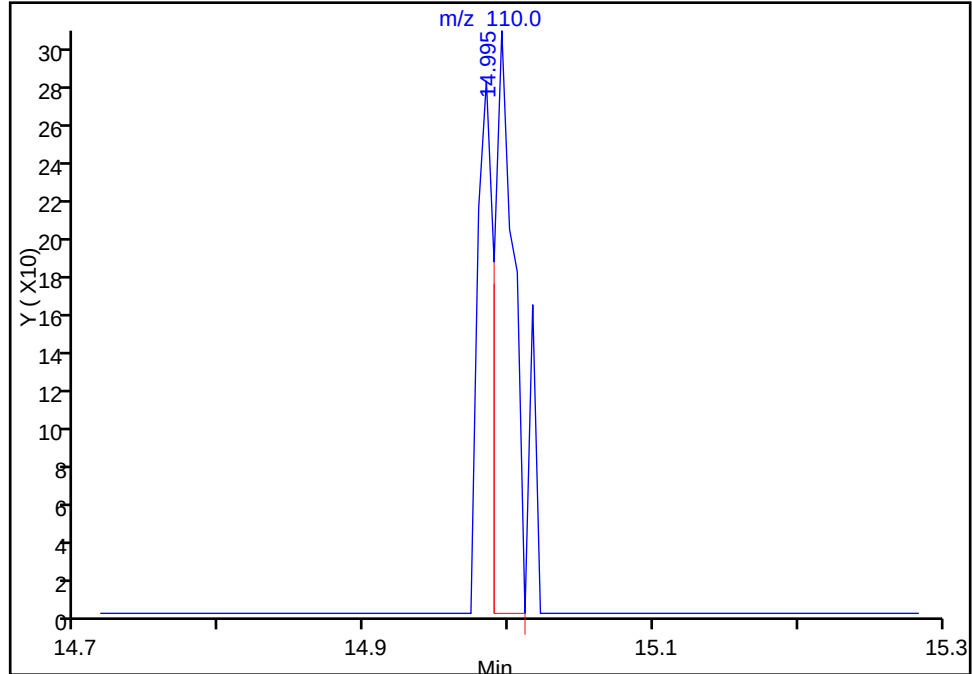
Detector

MS SCAN

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

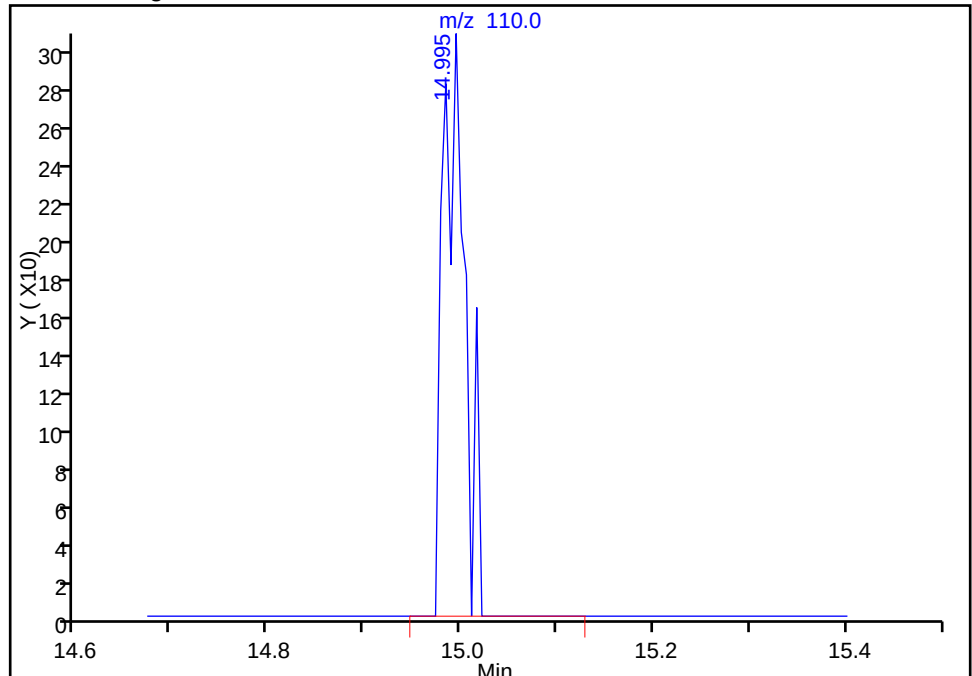
RT: 14.99
Area: 276
Amount: 0.025530
Amount Units: ppb v/v

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

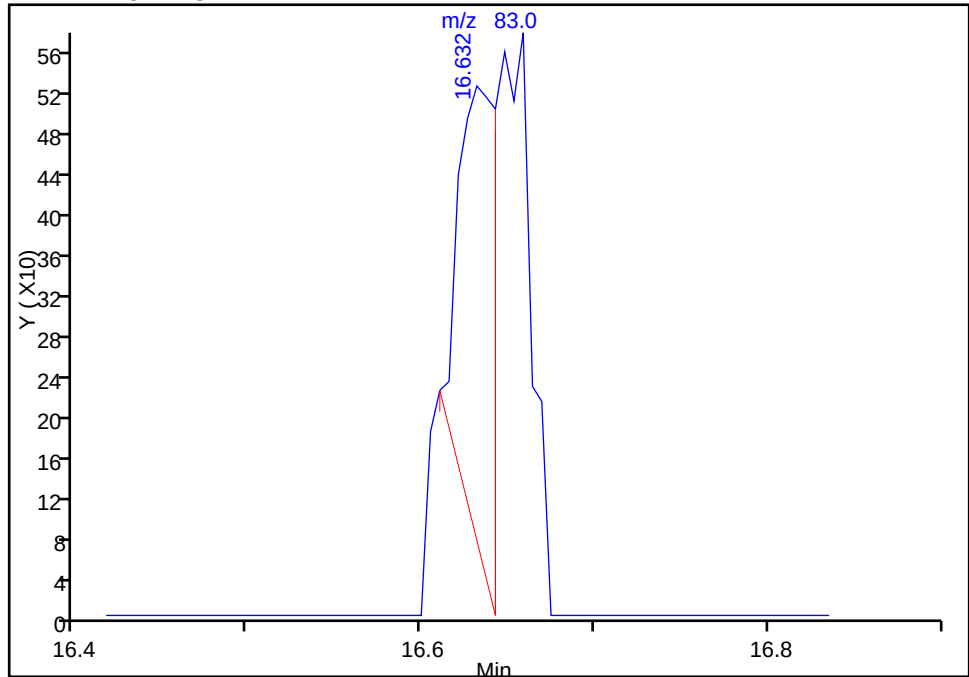
TestAmerica Burlington

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

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

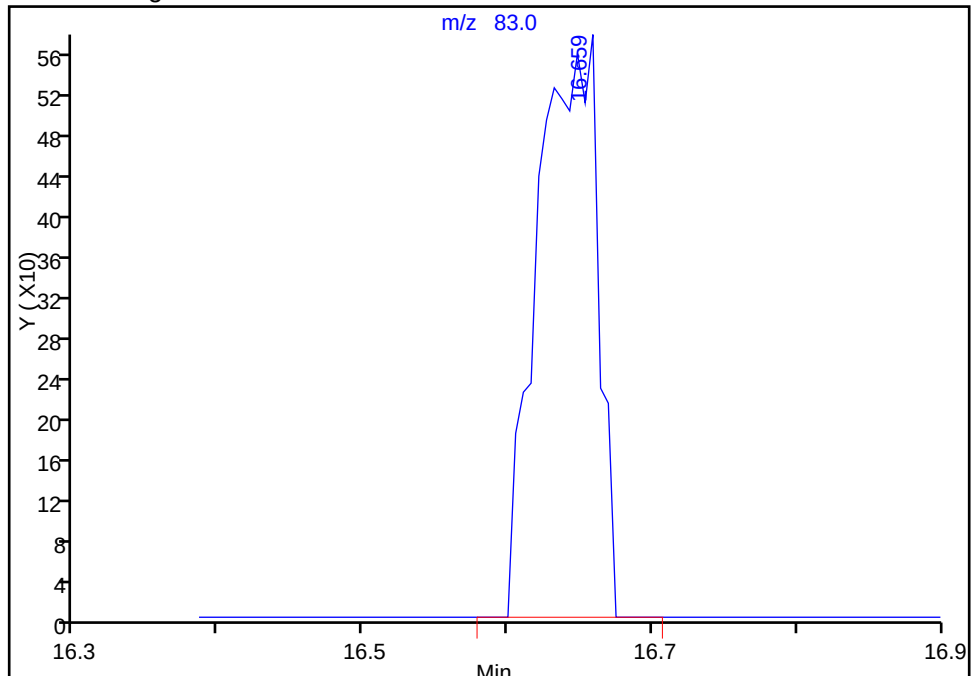
RT: 16.63
Area: 691
Amount: 0.018358
Amount Units: ppb v/v

Processing Integration Results



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

Manual Integration Results



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

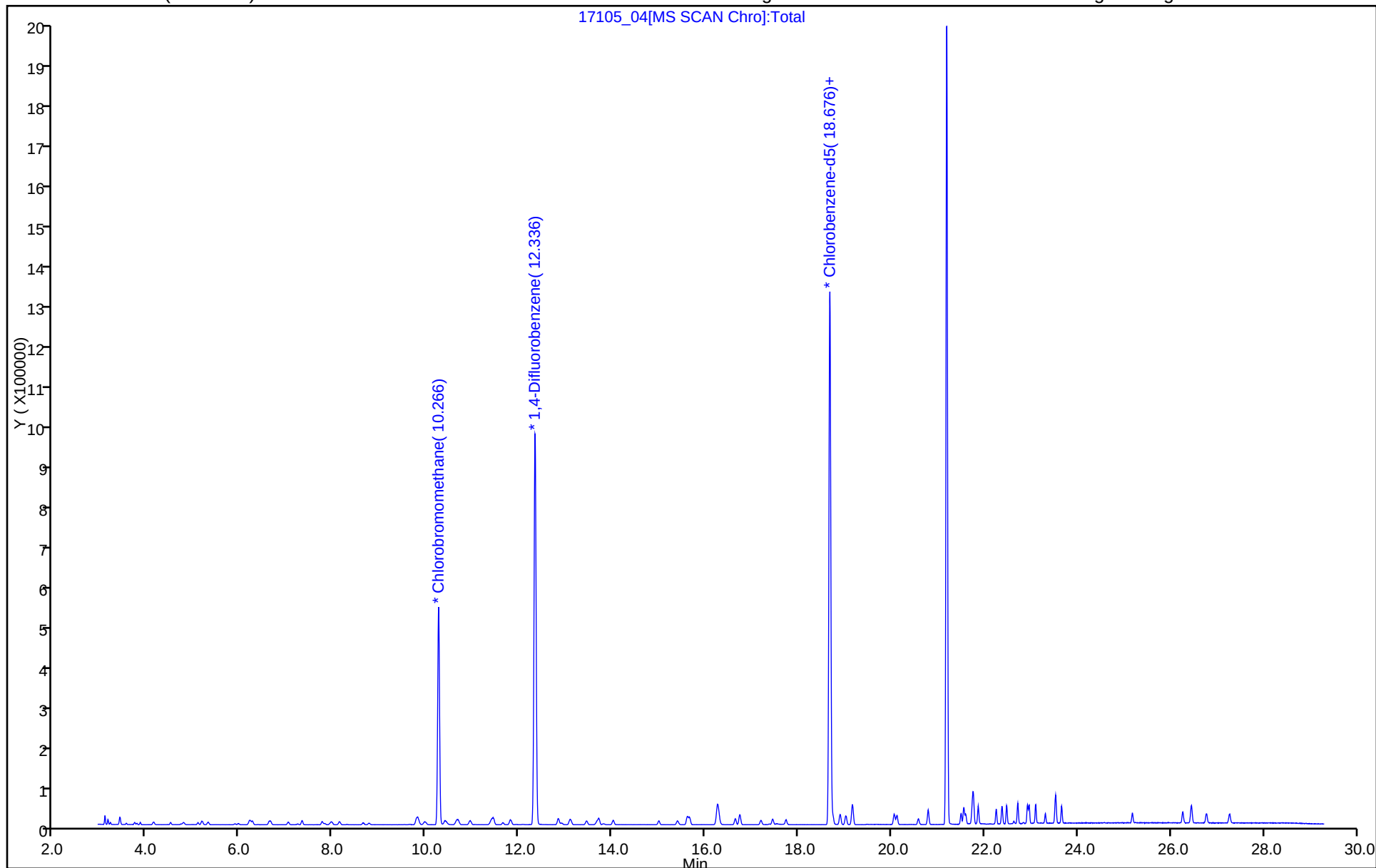
ALS Bottle#: 3

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



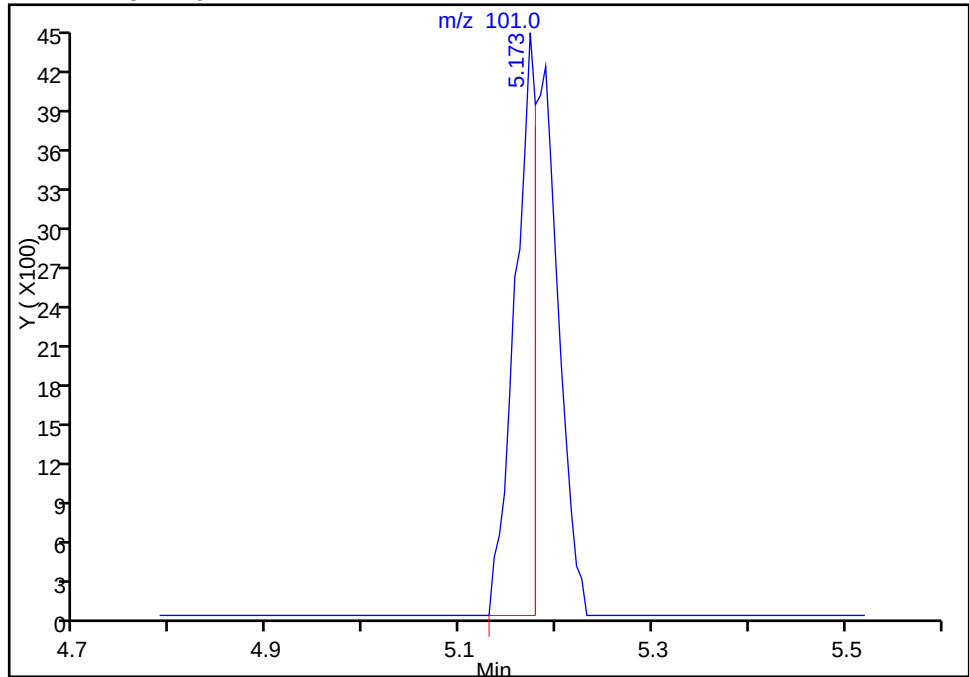
TestAmerica Burlington

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

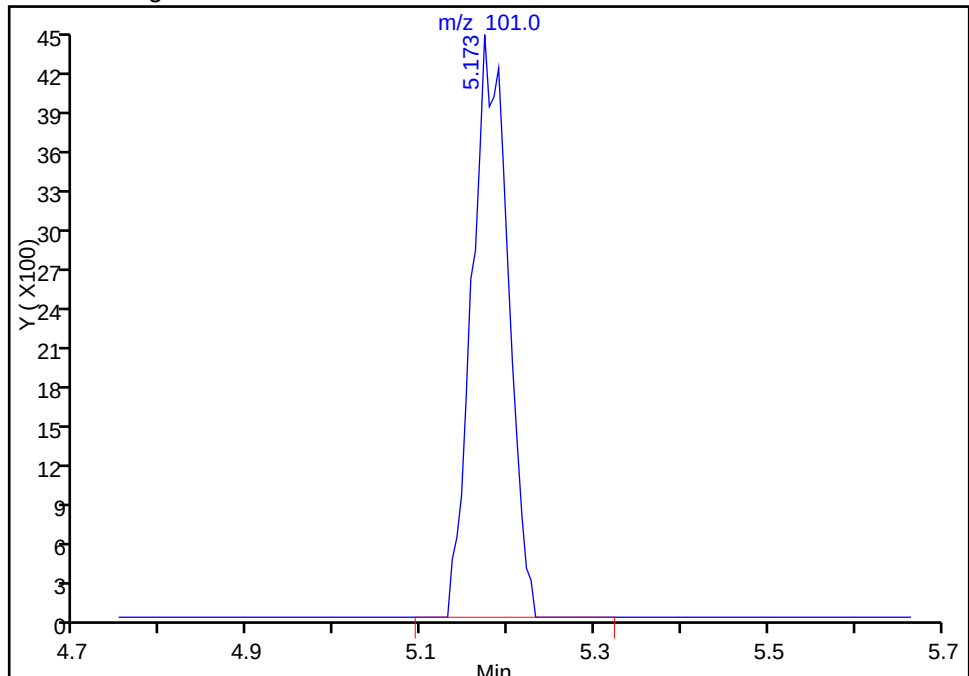
RT: 5.17
Area: 6709
Amount: 0.116248
Amount Units: ppb v/v

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

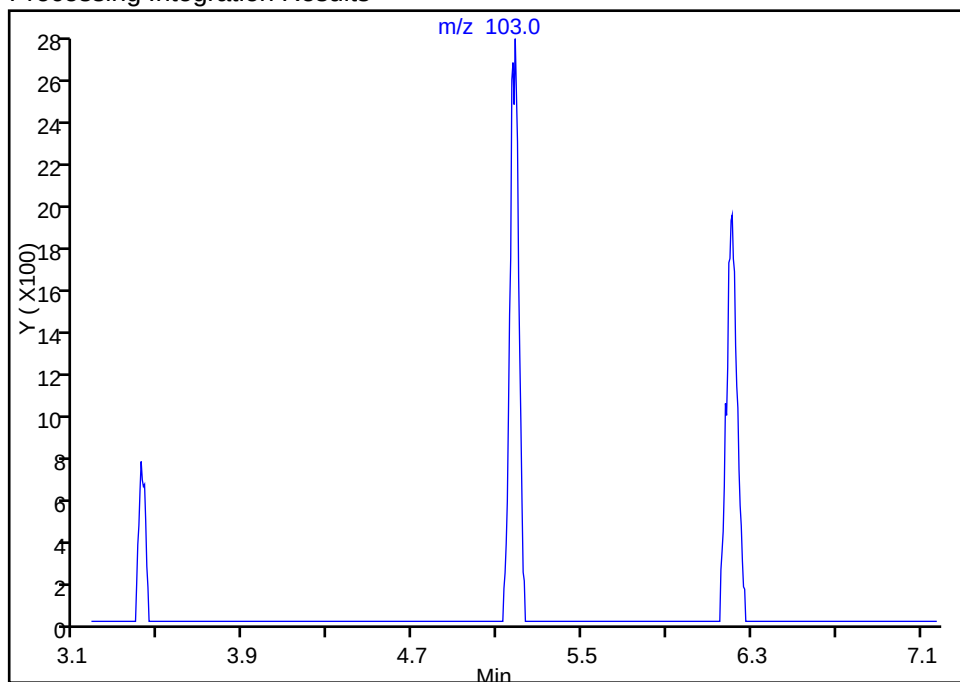
TestAmerica Burlington

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

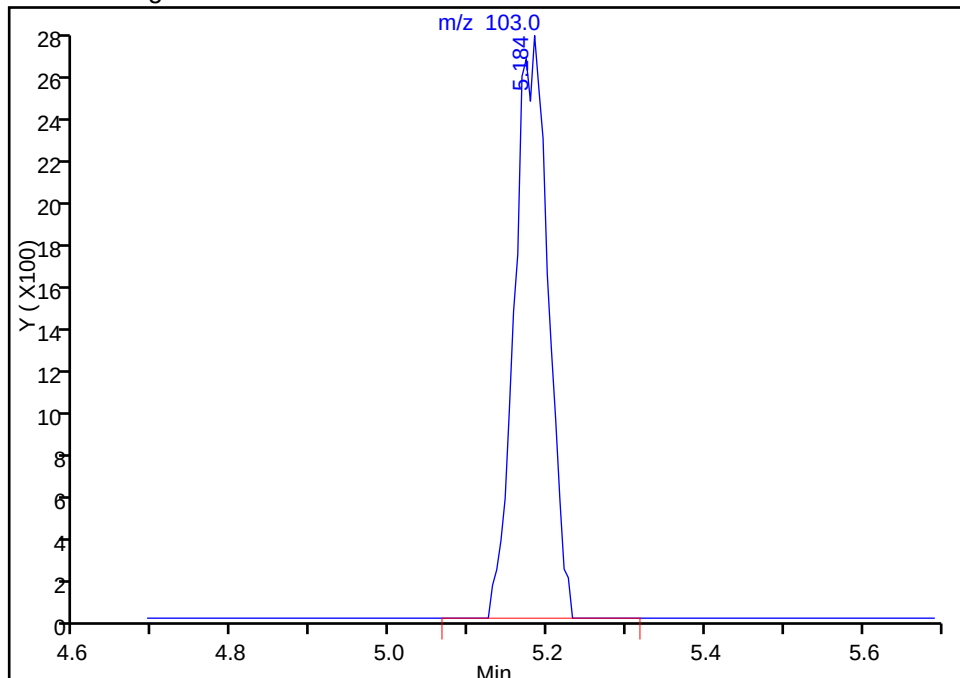
RT: 5.18
Area: 0
Amount: 0.116248
Amount Units: ppb v/v

Processing Integration Results



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

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:52:24

Audit Action: Manually Integrated

Audit Reason: Baseline

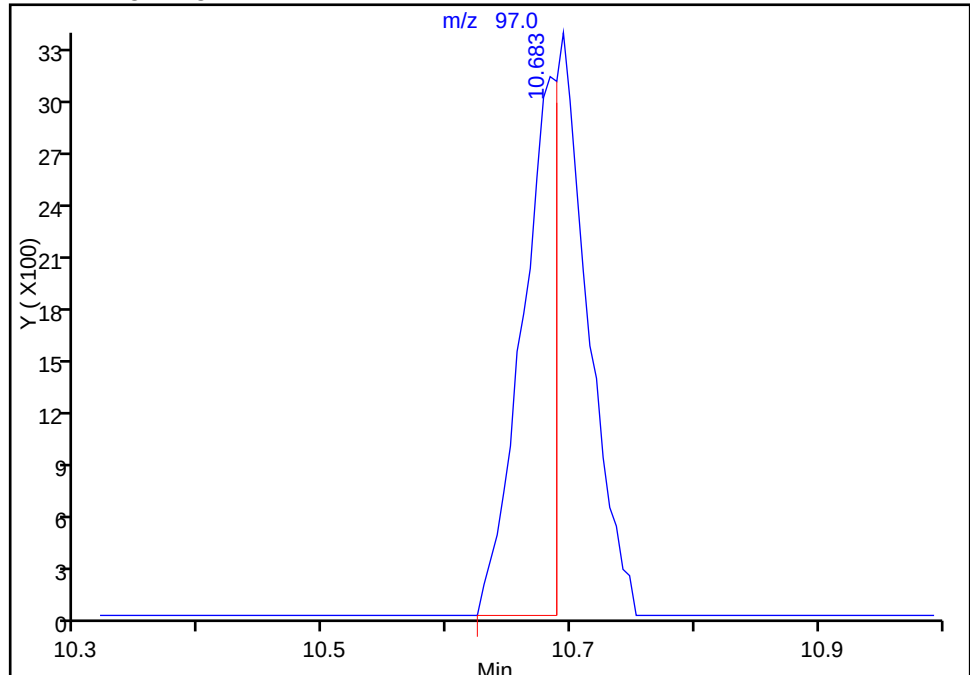
TestAmerica Burlington

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

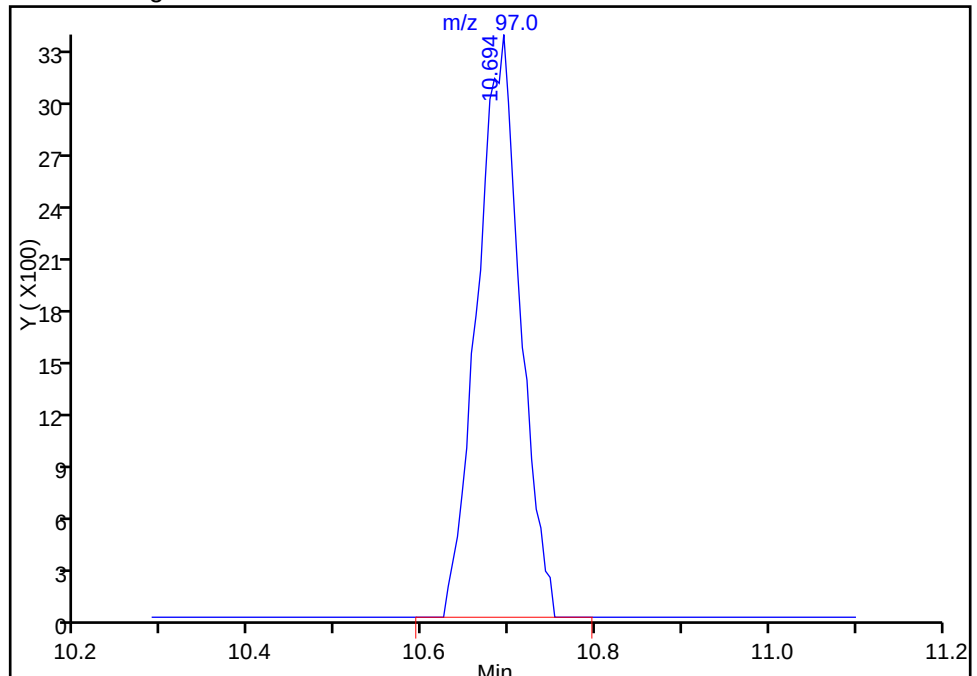
RT: 10.68
Area: 6368
Amount: 0.109377
Amount Units: ppb v/v

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)

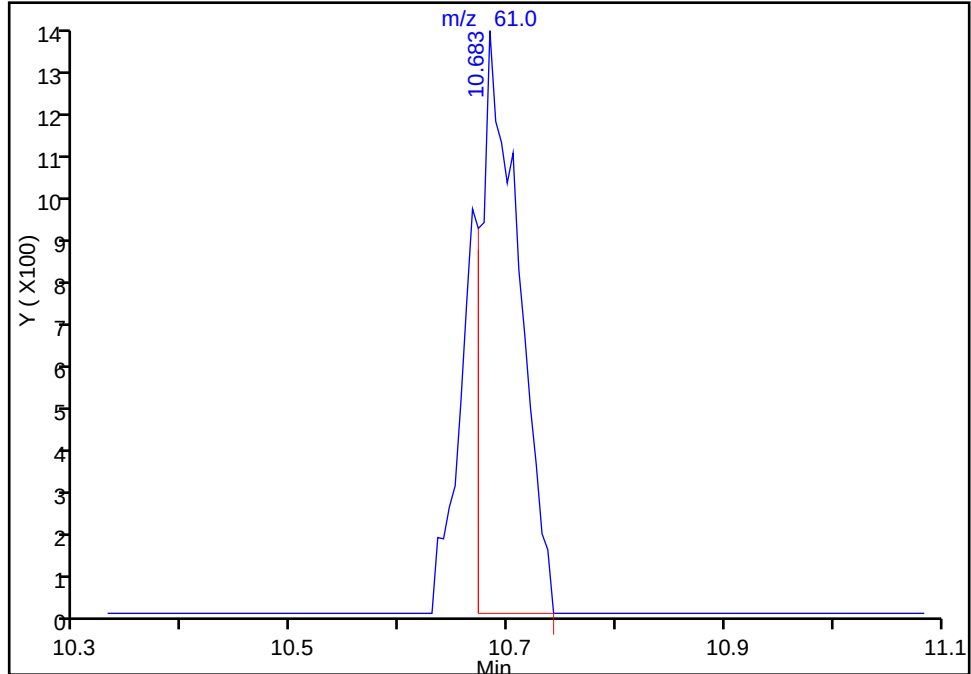
Detector

MS SCAN

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

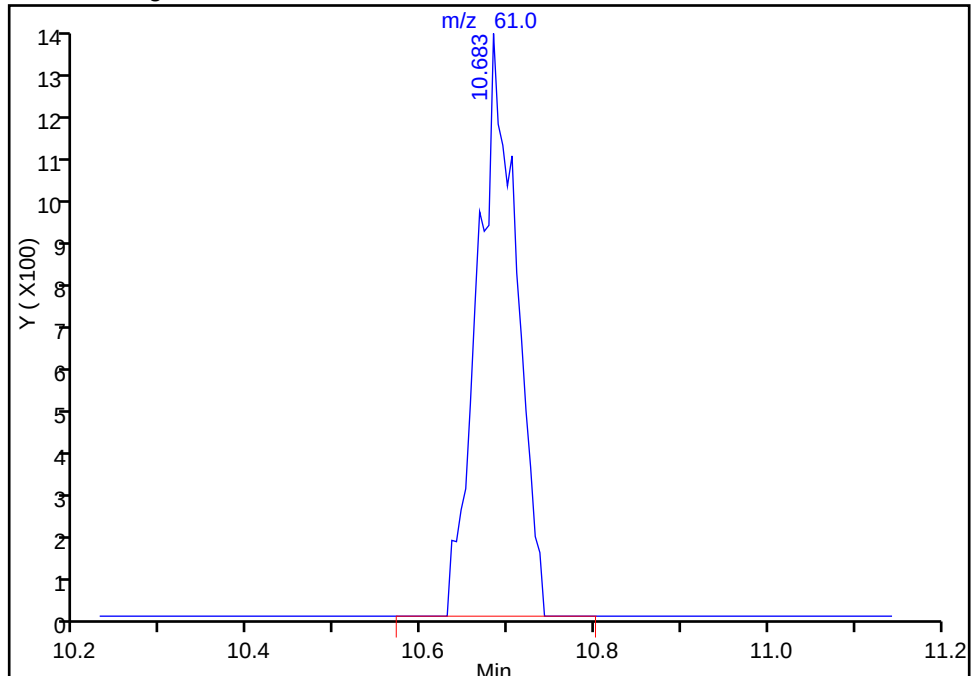
RT: 10.68
Area: 3285
Amount: 0.109377
Amount Units: ppb v/v

Processing Integration Results



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

Manual Integration Results



Reviewer: desjardinsb, 04-Dec-2015 09:52:24

Audit Action: Manually Integrated

Audit Reason: Baseline

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

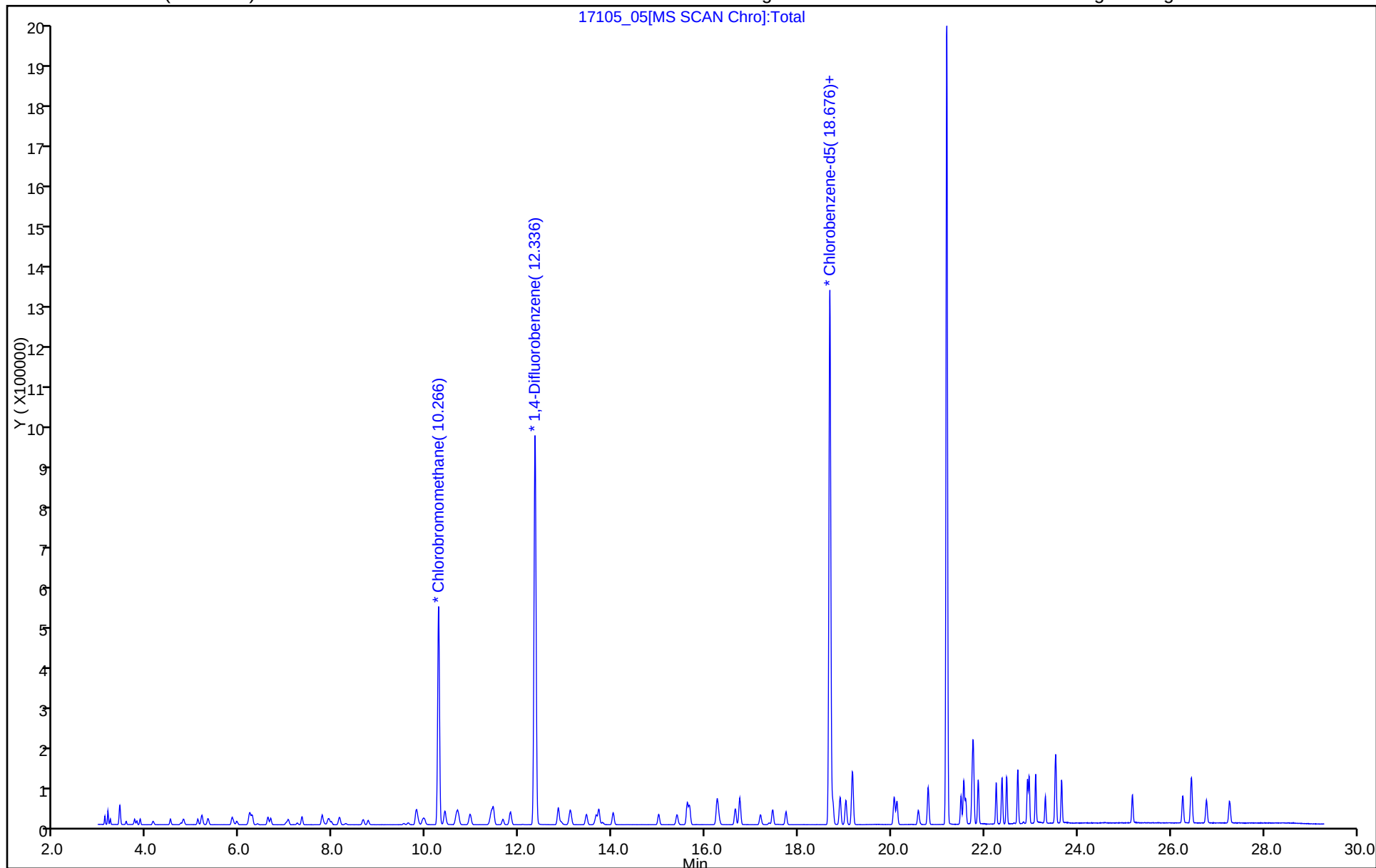
ALS Bottle#: 4

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

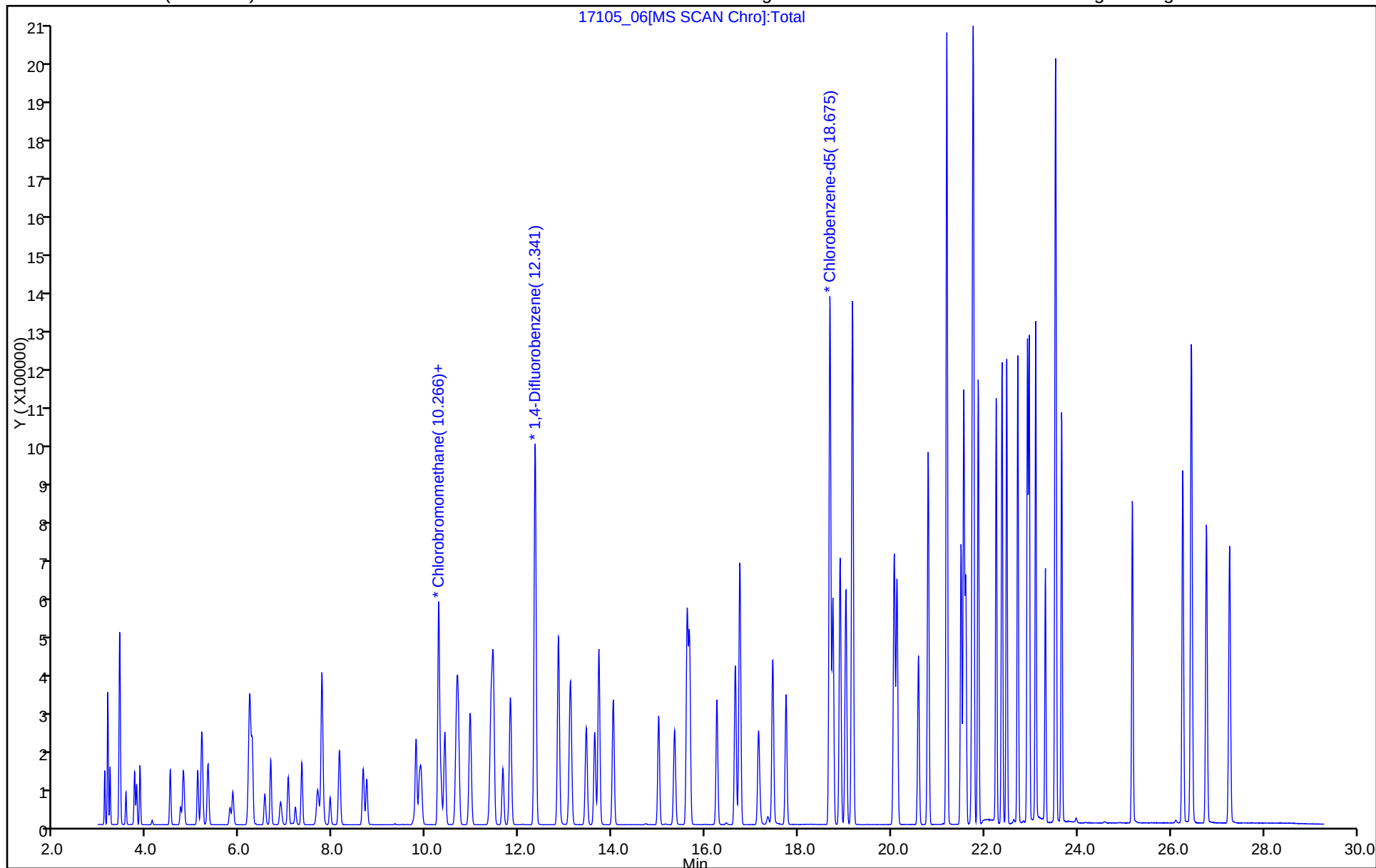
ALS Bottle#: 5

Method: TO15_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_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

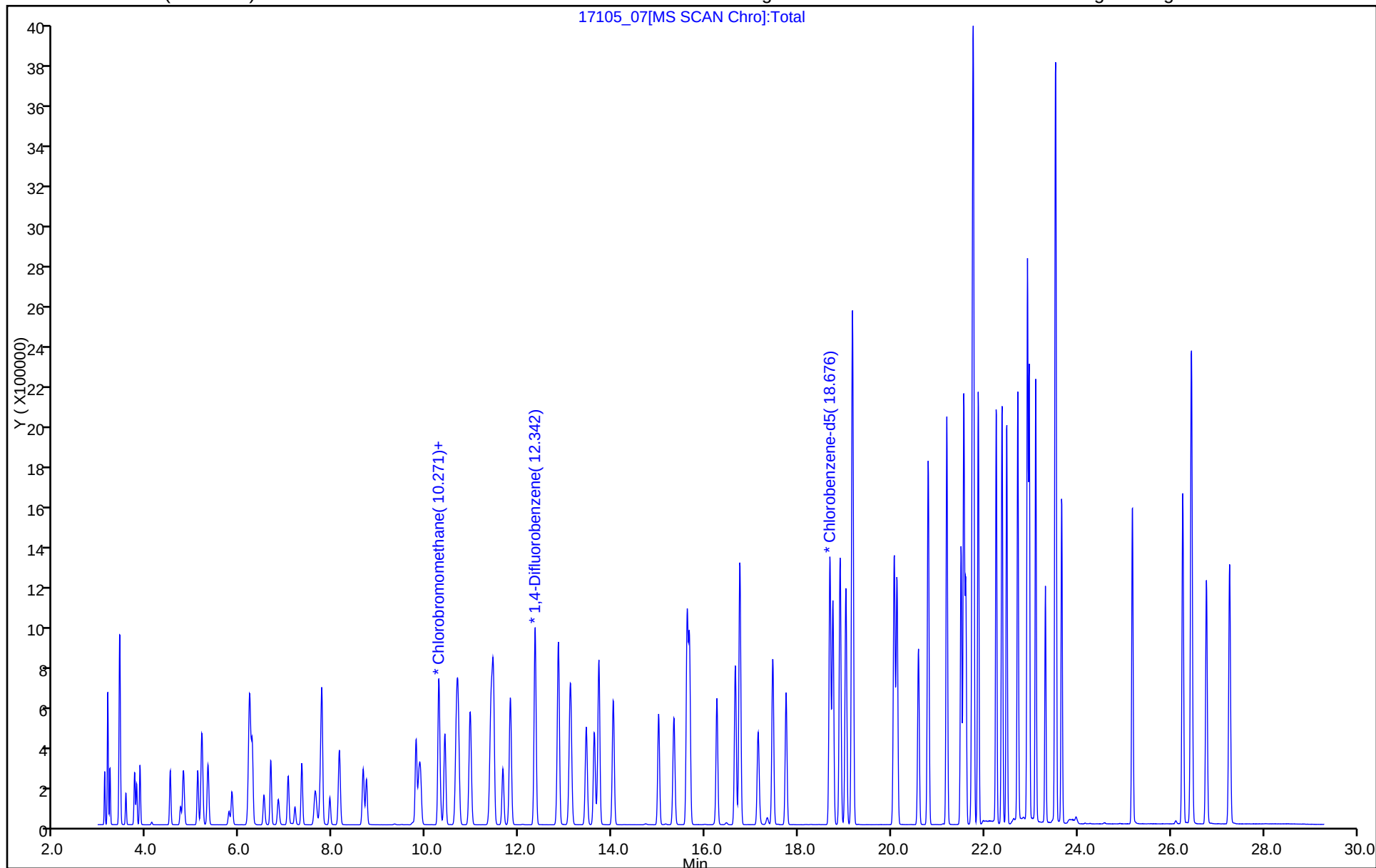
ALS Bottle#: 6

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

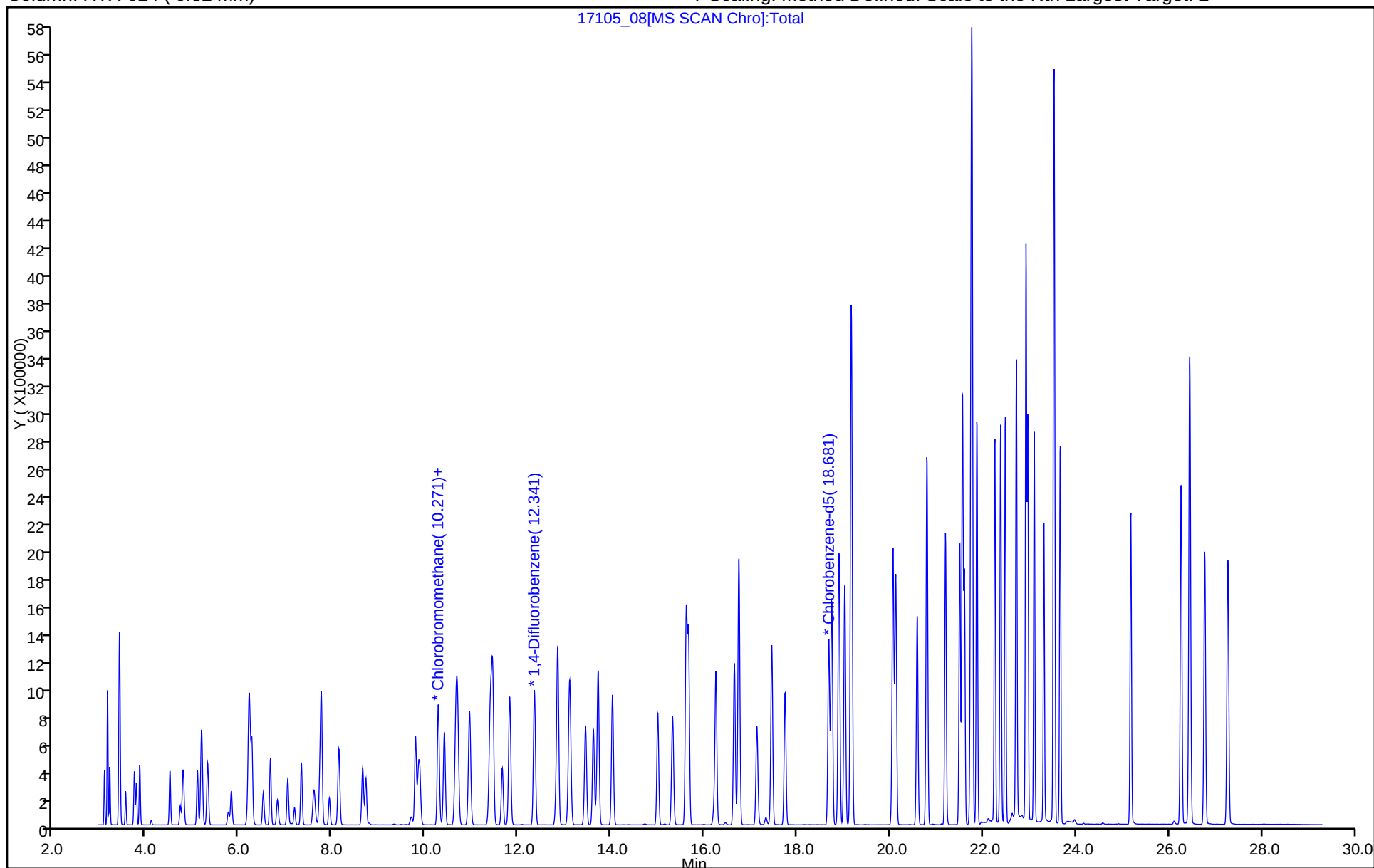
ALS Bottle#: 7

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

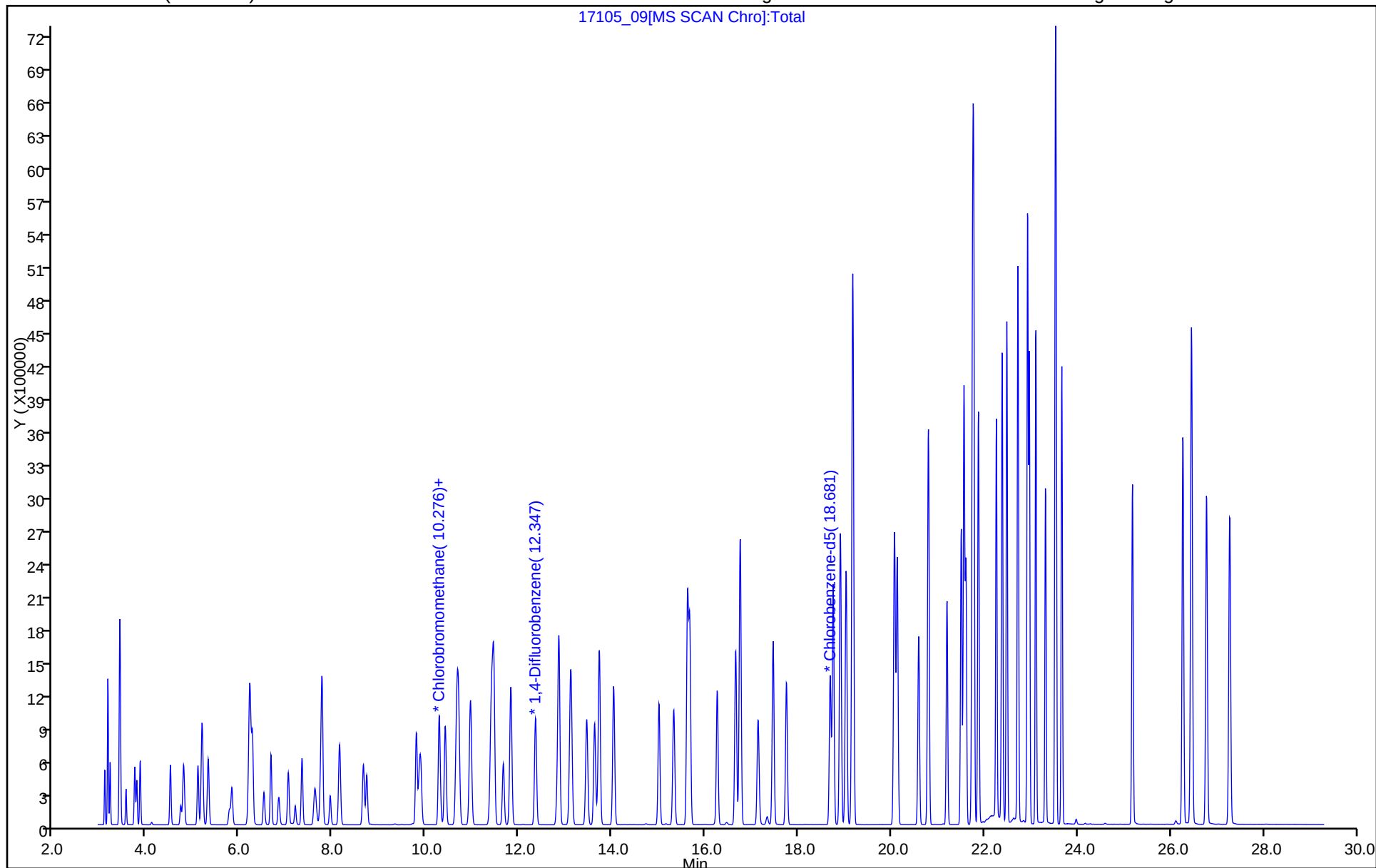
ALS Bottle#: 8

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



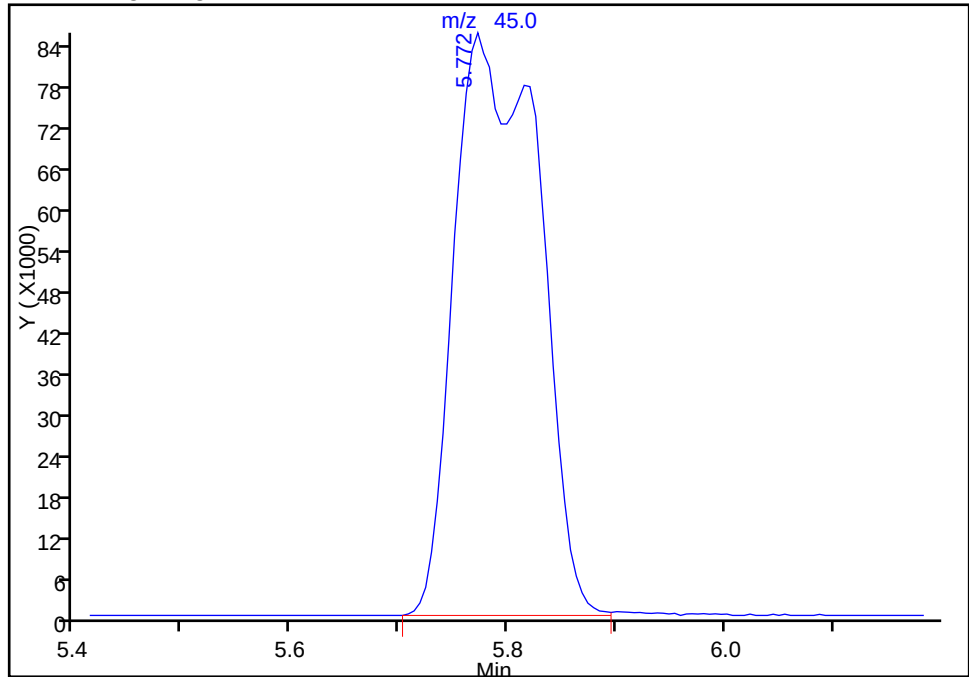
TestAmerica Burlington

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
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
		Worklist Smp#:	9

15 Ethanol, CAS: 64-17-5

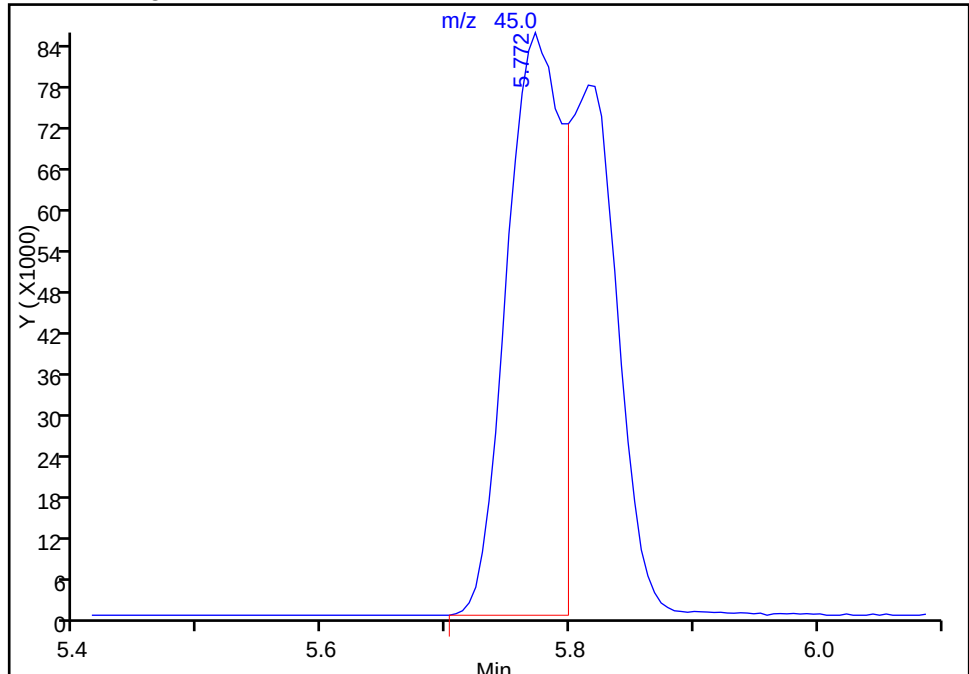
RT: 5.77
Area: 460049
Amount: 56.088509
Amount Units: ppb v/v

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

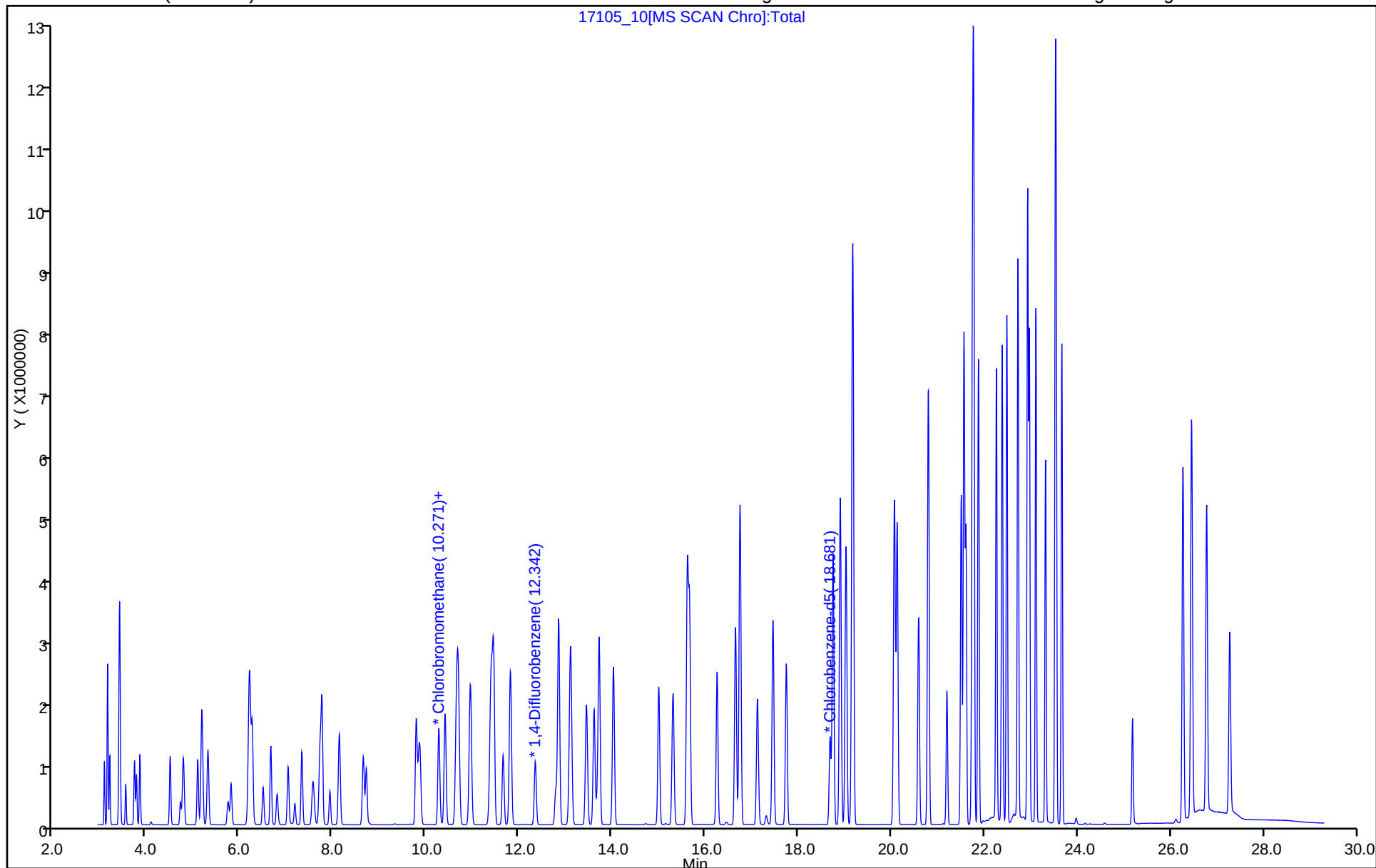
ALS Bottle#: 9

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.: 200-31275-1
 SDG No.: 200-31275
 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.: 200-31275-1
 SDG No.: 200-31275
 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.: 200-31275-1
 SDG No.: 200-31275
 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	

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

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

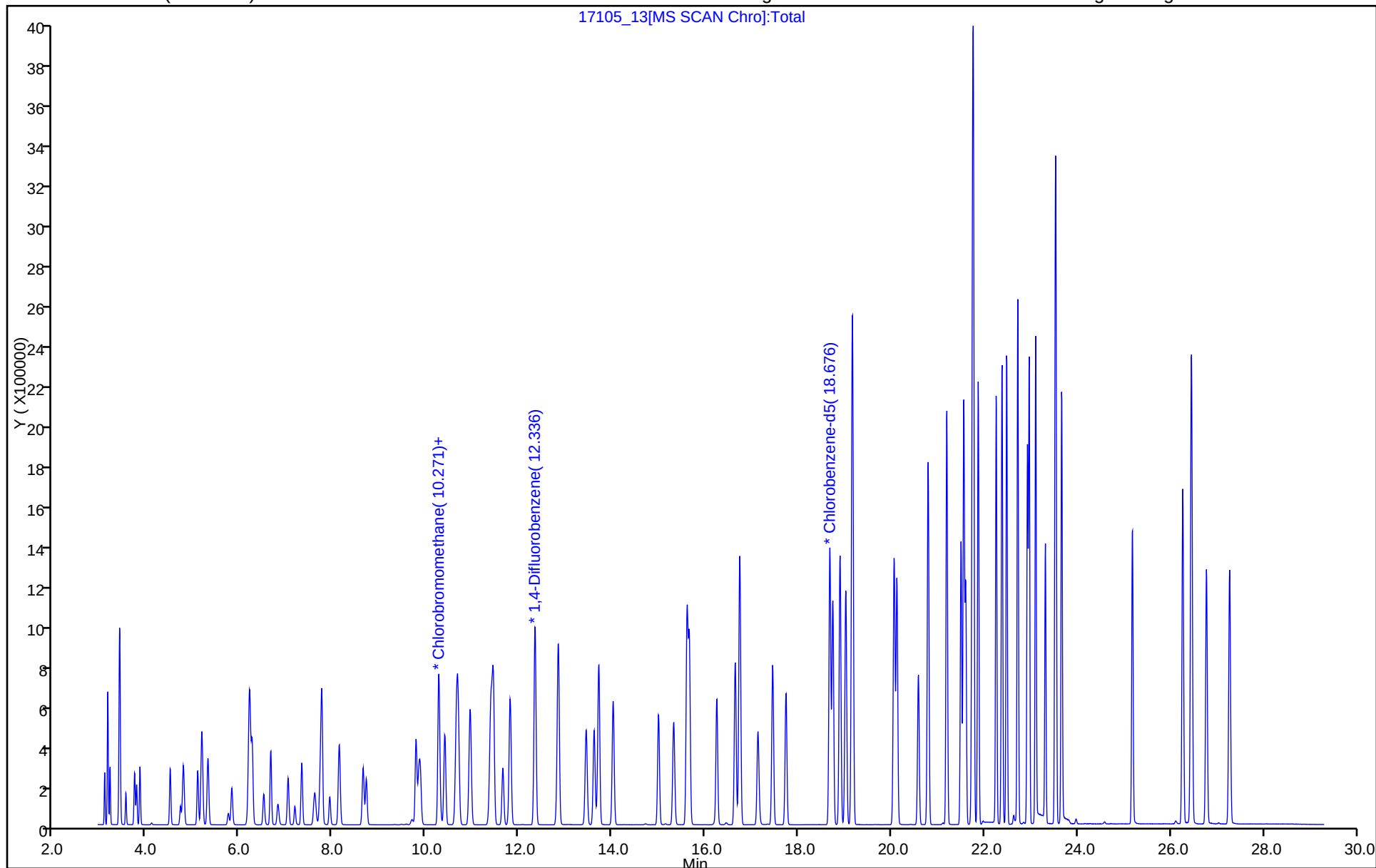
ALS Bottle#: 10

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.: 200-31275-1
 SDG No.: 200-31275
 Lab Sample ID: CCVIS 200-98817/2 Calibration Date: 12/22/2015 11:58
 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: 17463_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	0.3875		9.31	10.0	-6.9	30.0
Dichlorodifluoromethane	Ave	2.135	2.041		9.56	10.0	-4.4	30.0
Freon 22	Ave	1.014	0.9252		9.13	10.0	-8.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.038		9.46	10.0	-5.4	30.0
Chloromethane	Ave	0.5832	0.5235		8.97	10.0	-10.2	30.0
n-Butane	Ave	0.9370	0.7758		8.28	10.0	-17.2	30.0
Vinyl chloride	Ave	0.7772	0.7118		9.16	10.0	-8.4	30.0
1,3-Butadiene	Ave	0.5401	0.4724		8.74	10.0	-12.5	30.0
Bromomethane	Ave	0.7680	0.7553		9.83	10.0	-1.7	30.0
Chloroethane	Ave	0.3606	0.3117		8.64	10.0	-13.6	30.0
Isopentane	Ave	0.6250	0.4624		7.40	10.0	-26.0	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.8724		9.44	10.0	-5.6	30.0
Trichlorofluoromethane	Ave	2.291	2.105		9.18	10.0	-8.1	30.0
n-Pentane	Ave	1.063	0.8482		7.98	10.0	-20.2	30.0
Ethanol	Ave	0.2636	0.1805		10.3	15.0	-31.5*	30.0
Ethyl ether	Ave	0.5178	0.4336		8.37	10.0	-16.3	30.0
Freon TF	Ave	1.793	1.710		9.54	10.0	-4.6	30.0
Acrolein	Ave	0.2172	0.1664		7.66	10.0	-23.4	30.0
1,1-Dichloroethene	Ave	0.8656	0.8044		9.29	10.0	-7.1	30.0
Acetone	Ave	0.9159	0.7405		8.08	10.0	-19.1	30.0
Carbon disulfide	Ave	2.244	2.041		9.09	10.0	-9.1	30.0
Isopropyl alcohol	Ave	0.8842	0.7478		8.46	10.0	-15.4	30.0
3-Chloropropene	Ave	0.8024	0.6197		7.72	10.0	-22.8	30.0
Acetonitrile	Ave	0.4179	0.3442		8.24	10.0	-17.6	30.0
Methylene Chloride	Ave	0.8036	0.6484		8.07	10.0	-19.3	30.0
tert-Butyl alcohol	Ave	1.478	1.248		8.44	10.0	-15.6	30.0
Methyl tert-butyl ether	Ave	2.445	2.089		8.55	10.0	-14.5	30.0
trans-1,2-Dichloroethene	Ave	1.140	0.9748		8.55	10.0	-14.5	30.0
Acrylonitrile	Ave	0.5153	0.4225		8.20	10.0	-18.0	30.0
n-Hexane	Ave	1.167	0.9652		8.27	10.0	-17.3	30.0
1,1-Dichloroethane	Ave	1.534	1.318		8.59	10.0	-14.1	30.0
Vinyl acetate	Ave	1.741	1.372		7.88	10.0	-21.2	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.054		9.40	10.0	-6.0	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4348		8.59	10.0	-14.1	30.0
Ethyl acetate	Ave	0.0842	0.0747		8.87	10.0	-11.3	30.0
Tetrahydrofuran	Ave	0.1476	0.1441		9.76	10.0	-2.4	30.0
Chloroform	Ave	2.148	1.938		9.02	10.0	-9.7	30.0
Cyclohexane	Ave	0.2714	0.2728		10.1	10.0	0.5	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.3910		9.75	10.0	-2.5	30.0
Carbon tetrachloride	Ave	0.4336	0.4256		9.81	10.0	-1.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Lab Sample ID: CCVIS 200-98817/2 Calibration Date: 12/22/2015 11:58
 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: 17463_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	0.8979		9.92	10.0	-0.8	30.0
Benzene	Ave	0.6437	0.6328		9.83	10.0	-1.7	30.0
1,2-Dichloroethane	Ave	0.2300	0.2215		9.63	10.0	-3.7	30.0
n-Heptane	Ave	0.2842	0.2796		9.83	10.0	-1.6	30.0
n-Butanol	Ave	0.0960	0.0900		9.37	10.0	-6.2	30.0
Trichloroethene	Ave	0.3126	0.3131		10.0	10.0	0.1	30.0
1,2-Dichloropropane	Ave	0.2301	0.2301		10.0	10.0	-0.0	30.0
Methyl methacrylate	Ave	0.2321	0.2156		9.29	10.0	-7.1	30.0
1,4-Dioxane	Ave	0.1092	0.1164		10.7	10.0	6.6	30.0
Dibromomethane	Ave	0.3490	0.3544		10.2	10.0	1.6	30.0
Bromodichloromethane	Ave	0.4592	0.4367		9.51	10.0	-4.9	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3517		9.61	10.0	-3.9	30.0
Methyl isobutyl ketone	Ave	0.3679	0.3625		9.85	10.0	-1.5	30.0
Toluene	Ave	0.5622	0.5098		9.07	10.0	-9.3	30.0
n-Octane	Ave	0.4074	0.4053		9.95	10.0	-0.5	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3547		9.56	10.0	-4.4	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2523		9.59	10.0	-4.1	30.0
Tetrachloroethene	Ave	0.5295	0.4920		9.29	10.0	-7.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3198		8.63	10.0	-13.7	30.0
Dibromochloromethane	Ave	0.5444	0.4706		8.64	10.0	-13.6	30.0
1,2-Dibromoethane	Ave	0.5173	0.4924		9.52	10.0	-4.8	30.0
Chlorobenzene	Ave	0.7973	0.7422		9.31	10.0	-6.9	30.0
Ethylbenzene	Ave	1.222	1.136		9.29	10.0	-7.1	30.0
n-Nonane	Ave	0.4949	0.4725		9.55	10.0	-4.5	30.0
m,p-Xylene	Ave	0.5015	0.4756		19.0	20.0	-5.2	30.0
Xylene, o-	Ave	0.5029	0.4638		9.22	10.0	-7.8	30.0
Styrene	Ave	0.7800	0.7286		9.34	10.0	-6.6	30.0
Bromoform	Ave	0.4558	0.3320		7.28	10.0	-27.2	30.0
Cumene	Ave	1.427	1.342		9.40	10.0	-5.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.6370		9.31	10.0	-6.9	30.0
n-Propylbenzene	Ave	1.656	1.619		9.78	10.0	-2.2	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5089		9.85	10.0	-1.5	30.0
n-Decane	Ave	0.5556	0.5982		10.8	10.0	7.7	30.0
4-Ethyltoluene	Ave	1.329	1.376		10.4	10.0	3.5	30.0
2-Chlorotoluene	Ave	1.125	1.104		9.82	10.0	-1.8	30.0
1,3,5-Trimethylbenzene	Ave	1.137	0.9869		8.68	10.0	-13.2	30.0
Alpha Methyl Styrene	Ave	0.5896	0.5128		8.70	10.0	-13.0	30.0
tert-Butylbenzene	Ave	1.095	0.8841		8.07	10.0	-19.3	30.0
1,2,4-Trimethylbenzene	Ave	1.127	0.9631		8.55	10.0	-14.5	30.0
sec-Butylbenzene	Ave	1.596	1.511		9.46	10.0	-5.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Lab Sample ID: CCVIS 200-98817/2 Calibration Date: 12/22/2015 11:58
 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: 17463_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	1.479		10.9	10.0	8.6	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.7424		8.87	10.0	-11.2	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.7136		8.43	10.0	-15.7	30.0
Benzyl chloride	Ave	0.8530	0.7897		9.26	10.0	-7.4	30.0
n-Butylbenzene	Ave	1.235	1.329		10.8	10.0	7.6	30.0
n-Undecane	Ave	0.6335	0.6525		10.3	10.0	3.0	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.7692		9.80	10.0	-1.9	30.0
n-Dodecane	Ave	0.4666	0.5151		11.0	10.0	10.4	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.6582		10.3	10.0	3.0	30.0
Hexachlorobutadiene	Ave	0.5884	0.6325		10.7	10.0	7.5	30.0
Naphthalene	Ave	1.303	1.314		10.1	10.0	0.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5593		10.5	10.0	5.4	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Dec-2015 11:58:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017463-002
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\TO15_LLNJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Dec-2015 13:28:48 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: XAWRK011

First Level Reviewer: desjardinsb

Date: 22-Dec-2015 13:28:48

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	98	138824	10.0	9.31	
2 Dichlorodifluoromethane	85	3.156	3.156	0.000	99	731317	10.0	9.56	
3 Chlorodifluoromethane	51	3.204	3.204	0.000	97	331464	10.0	9.13	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.413	0.000	98	730003	10.0	9.46	
5 Chloromethane	50	3.547	3.547	0.000	99	187543	10.0	8.97	
6 Butane	43	3.734	3.734	0.000	98	277929	10.0	8.28	
7 Vinyl chloride	62	3.777	3.777	0.000	98	254990	10.0	9.16	
8 Butadiene	54	3.851	3.851	0.000	91	169249	10.0	8.74	
9 Bromomethane	94	4.499	4.499	0.000	99	270593	10.0	9.83	
10 Chloroethane	64	4.718	4.718	0.000	98	111657	10.0	8.64	
11 2-Methylbutane	43	4.782	4.782	0.000	89	165666	10.0	7.40	
12 Vinyl bromide	106	5.093	5.093	0.000	99	312519	10.0	9.44	
13 Trichlorofluoromethane	101	5.178	5.178	0.000	98	754066	10.0	9.18	
14 Pentane	43	5.312	5.312	0.000	98	303863	10.0	7.98	
15 Ethanol	45	5.777	5.777	0.000	99	97050	15.0	10.3	
16 Ethyl ether	59	5.831	5.831	0.000	93	155329	10.0	8.37	
18 1,1,2-Trichloro-1,2,2-trif	101	6.205	6.205	0.000	98	612774	10.0	9.54	
17 Acrolein	56	6.211	6.211	0.000	95	59611	10.0	7.66	
\$ 19 BFB									
20 1,1-Dichloroethene	96	6.264	6.264	0.000	92	288169	10.0	9.29	
21 Acetone	43	6.521	6.521	0.000	95	265295	10.0	8.08	
22 Carbon disulfide	76	6.660	6.660	0.000	98	731100	10.0	9.09	
23 Isopropyl alcohol	45	6.837	6.837	0.000	100	267914	10.0	8.46	
24 3-Chloro-1-propene	41	7.029	7.029	0.000	92	222003	10.0	7.72	
25 Acetonitrile	41	7.184	7.184	0.000	100	123315	10.0	8.24	
26 Methylene Chloride	49	7.323	7.323	0.000	81	232300	10.0	8.07	
28 2-Methyl-2-propanol	59	7.628	7.628	0.000	92	447005	10.0	8.44	
29 Methyl tert-butyl ether	73	7.746	7.746	0.000	95	748511	10.0	8.55	
30 trans-1,2-Dichloroethene	61	7.757	7.757	0.000	92	349224	10.0	8.55	
31 Acrylonitrile	53	7.933	7.933	0.000	96	151343	10.0	8.20	
32 Hexane	57	8.131	8.131	0.000	86	345766	10.0	8.27	

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	472258	10.0	8.59	
34 Vinyl acetate	43	8.720	8.720	0.000	99	491496	10.0	7.88	
35 cis-1,2-Dichloroethene	96	9.784	9.784	0.000	85	377551	10.0	9.40	
36 2-Butanone (MEK)	72	9.843	9.843	0.000	99	155766	10.0	8.59	
37 Ethyl acetate	88	9.881	9.881	0.000	99	26772	10.0	8.87	
S 38 1,2-Dichloroethene, Total	61				0		20.0	17.9	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	76	358319	10.0	10.0	
39 Tetrahydrofuran	42	10.292	10.292	0.000	87	262674	10.0	9.76	
41 Chloroform	83	10.399	10.399	0.000	94	694447	10.0	9.02	
42 Cyclohexane	84	10.651	10.651	0.000	92	497217	10.0	10.1	
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	94	712616	10.0	9.75	
44 Carbon tetrachloride	117	10.945	10.945	0.000	97	775707	10.0	9.81	
45 Isooctane	57	11.395	11.395	0.000	99	1636582	10.0	9.92	
46 Benzene	78	11.443	11.443	0.000	94	1153394	10.0	9.83	
47 1,2-Dichloroethane	62	11.651	11.651	0.000	97	403734	10.0	9.63	
48 n-Heptane	43	11.806	11.806	0.000	86	509581	10.0	9.83	
* 50 1,4-Difluorobenzene	114	12.341	12.341	0.000	92	1823035	10.0	10.0	
51 n-Butanol	56	12.823	12.823	0.000	82	164038	10.0	9.37	
52 Trichloroethene	95	12.844	12.844	0.000	96	570601	10.0	10.0	
53 1,2-Dichloropropane	63	13.438	13.438	0.000	95	419388	10.0	10.0	
54 Methyl methacrylate	69	13.615	13.615	0.000	93	393042	10.0	9.29	
55 1,4-Dioxane	88	13.690	13.690	0.000	86	212159	10.0	10.7	
56 Dibromomethane	174	13.711	13.711	0.000	92	646036	10.0	10.2	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	796032	10.0	9.51	
58 cis-1,3-Dichloropropene	75	14.995	14.995	0.000	87	641039	10.0	9.61	
A 59 Total Hydrocarbons	1	15.244	(3.054-27.433)		0	239569011	NC	NC	
A 60 TVOC as Toluene	1	15.244	(3.054-27.433)		0	239569011	10.0	2337.6	
61 4-Methyl-2-pentanone (MIBK)	43	15.327	15.327	0.000	92	660668	10.0	9.85	
62 Toluene	92	15.610	15.610	0.000	92	894220	10.0	9.07	
66 n-Octane	43	15.658	15.658	0.000	85	738805	10.0	9.95	
A 65 GRO	1	15.658	(15.658-15.658)		0	3039803	10.0	0	
67 trans-1,3-Dichloropropene	75	16.247	16.247	0.000	93	646407	10.0	9.56	
68 1,1,2-Trichloroethane	83	16.643	16.643	0.000	93	442574	10.0	9.59	
69 Tetrachloroethene	166	16.739	16.739	0.000	97	863115	10.0	9.29	
70 2-Hexanone	43	17.135	17.135	0.000	98	560934	10.0	8.63	
71 Chlorodibromomethane	129	17.450	17.450	0.000	98	825549	10.0	8.64	
72 Ethylene Dibromide	107	17.734	17.734	0.000	98	863815	10.0	9.52	
* 73 Chlorobenzene-d5	117	18.675	18.675	0.000	82	1754579	10.0	10.0	
74 Chlorobenzene	112	18.740	18.740	0.000	98	1301933	10.0	9.31	
75 Ethylbenzene	91	18.895	18.895	0.000	97	1992847	10.0	9.29	
76 n-Nonane	57	19.018	19.018	0.000	84	828826	10.0	9.55	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	1668630	20.0	19.0	
S 80 Xylenes, Total	106				0		30.0	28.2	
78 o-Xylene	106	20.056	20.056	0.000	99	813659	10.0	9.22	
79 Styrene	104	20.115	20.115	0.000	95	1278192	10.0	9.34	
81 Bromoform	173	20.580	20.580	0.000	99	582330	10.0	7.28	
82 Isopropylbenzene	105	20.783	20.783	0.000	94	2353616	10.0	9.40	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	98	1117454	10.0	9.31	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	2840037	10.0	9.78	
87 1,2,3-Trichloropropane	75	21.591	21.591	0.000	96	892639	10.0	9.85	
88 n-Decane	57	21.730	21.730	0.000	90	1049463	10.0	10.8	
89 4-Ethyltoluene	105	21.752	21.752	0.000	98	2414359	10.0	10.4	

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_02.D

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	21.762	0.000	96	1937055	10.0	9.82	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	1731276	10.0	8.68	
92 Alpha Methyl Styrene	118	22.249	22.249	0.000	91	899542	10.0	8.70	
93 tert-Butylbenzene	119	22.372	22.372	0.000	95	1550911	10.0	8.07	
94 1,2,4-Trimethylbenzene	105	22.474	22.474	0.000	96	1689546	10.0	8.55	
95 sec-Butylbenzene	105	22.715	22.715	0.000	99	2650835	10.0	9.46	
96 4-Isopropyltoluene	119	22.918	22.918	0.000	98	2595129	10.0	10.9	
97 1,3-Dichlorobenzene	146	22.955	22.955	0.000	95	1302406	10.0	8.87	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	97	1251853	10.0	8.43	
99 Benzyl chloride	91	23.303	23.303	0.000	100	1385256	10.0	9.26	
101 n-Butylbenzene	91	23.517	23.517	0.000	98	2331686	10.0	10.8	
100 Undecane	57	23.533	23.533	0.000	91	1144648	10.0	10.3	
102 1,2-Dichlorobenzene	146	23.656	23.656	0.000	99	1349337	10.0	9.80	
103 Dodecane	57	25.175	25.175	0.000	96	903660	10.0	11.0	
104 1,2,4-Trichlorobenzene	180	26.256	26.256	0.000	93	1154588	10.0	10.3	
105 Hexachlorobutadiene	225	26.443	26.443	0.000	96	1109528	10.0	10.7	
106 Naphthalene	128	26.764	26.764	0.000	99	2305788	10.0	10.1	
107 1,2,3-Trichlorobenzene	180	27.262	27.262	0.000	96	981154	10.0	10.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15CAL4w_00518

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\20151222-17463.b\17463_02.D

Injection Date: 22-Dec-2015 11:58:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

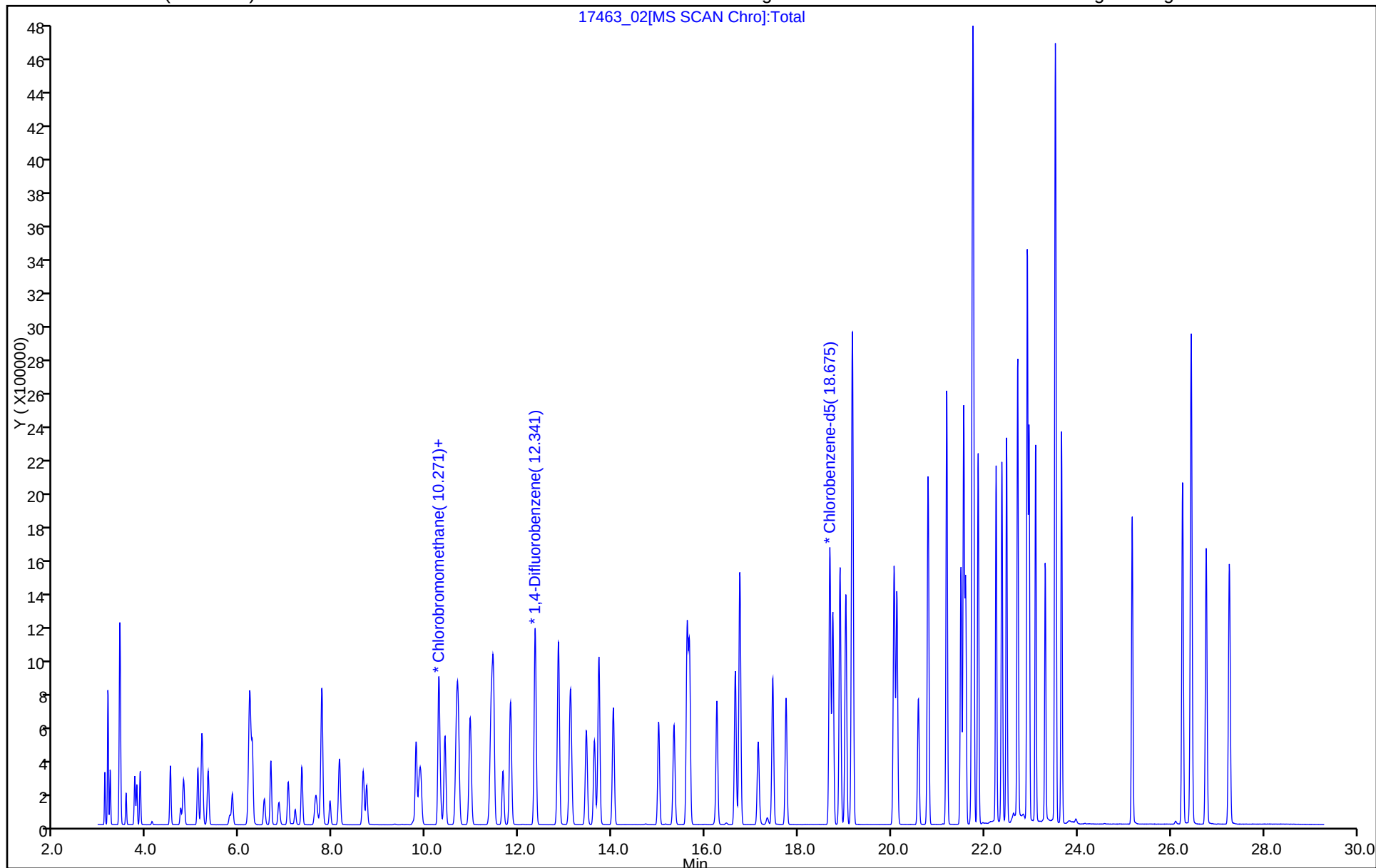
ALS Bottle#: 1

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
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

\$ 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

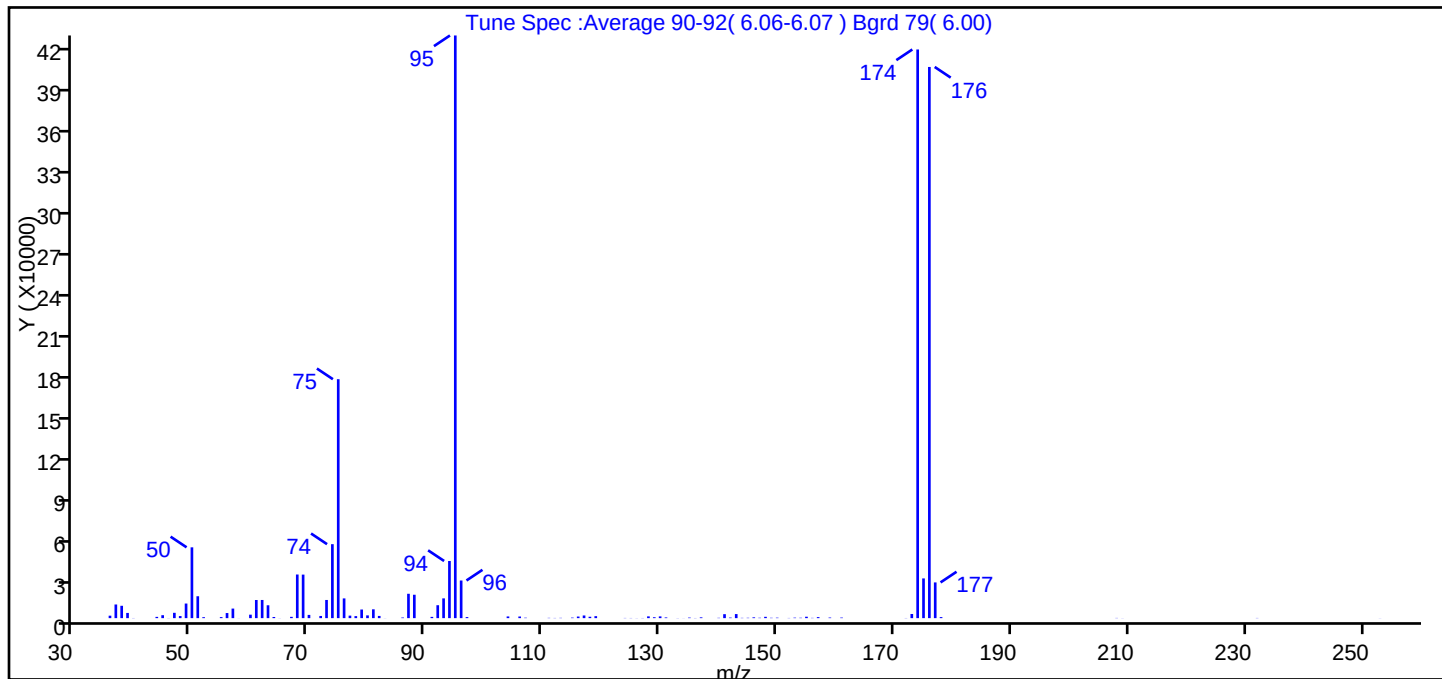
Reagents:

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.rslt
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\20151222-17463.b\17463_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 22-Dec-2015 11:11:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017463-001
 Misc. Info.: bfb
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Dec-2015 11:45:39 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: XAWRK011

First Level Reviewer: desjardinsb

Date: 22-Dec-2015 11:45:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

\$ 19 BFB

* 40 Chlorobromomethane	128	10.266					10.0	ND
* 50 1,4-Difluorobenzene	114	12.342					10.0	ND
* 73 Chlorobenzene-d5	117	18.676					10.0	ND

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

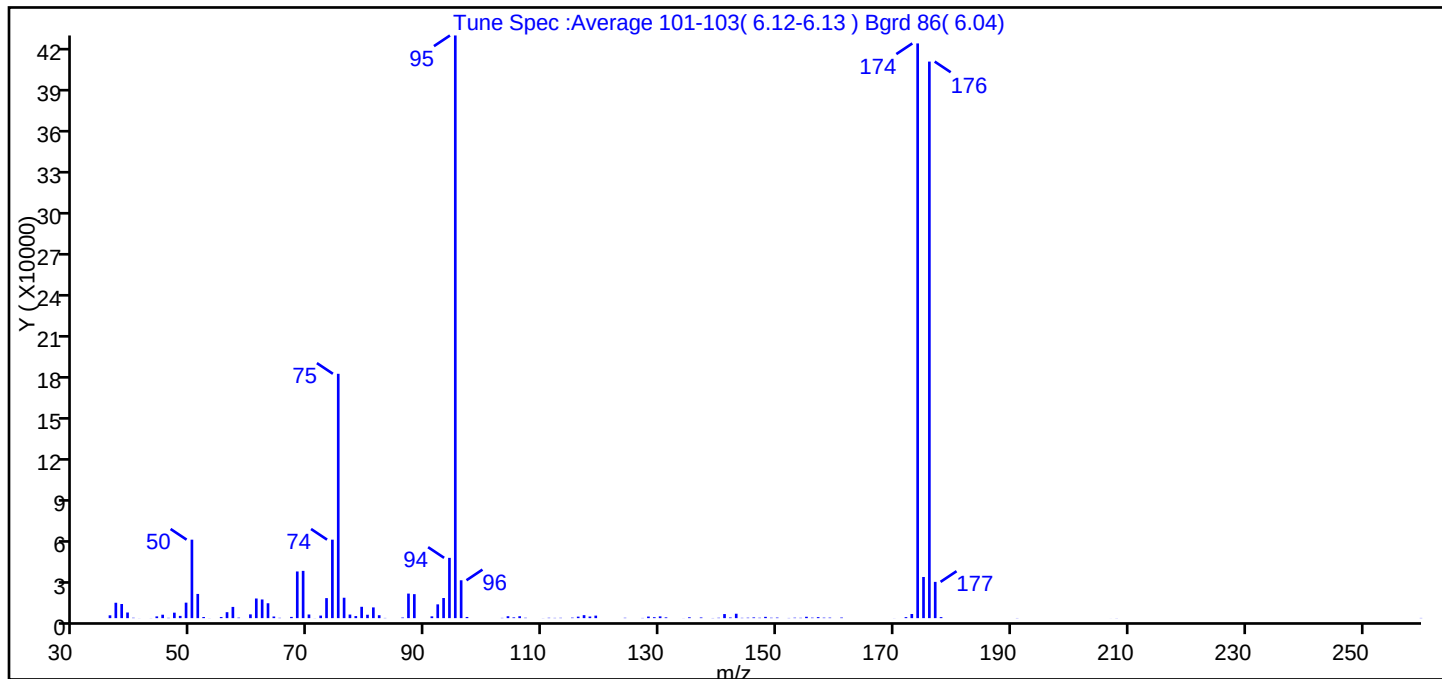
Reagents:

ATTO15GIS_00013 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_01.D
Injection Date: 22-Dec-2015 11:11:30 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	13.5
75	30.0 to 66.0 Percent of m/e 95	41.9
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	98.6
175	4.0 to 9.0 Percent of m/e 174	7.1 (7.2)
176	93.0 to 101.0 Percent of m/e 174	95.5 (96.8)
177	5.0 to 9.0 Percent of m/e 176	6.2 (6.5)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_01.D\TO15_LLNJ_TO3_CHX.i.m.rslt
Injection Date: 22-Dec-2015 11:11:30
Spectrum: Tune Spec :Average 101-103(6.12-6.13) Bgrd 86(6.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2052	68.00	33864	105.00	554	146.00	530
37.00	11163	69.00	34304	106.00	1385	147.00	282
38.00	10264	70.00	2657	107.00	279	148.00	942
39.00	4095	71.00	61	110.00	65	149.00	292
40.00	272	72.00	1856	111.00	263	150.00	405
41.00	50	73.00	14534	112.00	186	152.00	143
43.00	63	74.00	56944	113.00	240	153.00	320
44.00	1270	75.00	177280	115.00	368	154.00	237
45.00	2489	76.00	14805	116.00	1091	155.00	999
46.00	215	77.00	2596	117.00	2165	156.00	354
47.00	3975	78.00	1493	118.00	1170	157.00	728
48.00	1627	79.00	8226	119.00	1828	158.00	349
49.00	11239	80.00	2465	124.00	258	159.00	372
50.00	56936	81.00	7794	127.00	148	161.00	430
51.00	17568	82.00	2127	128.00	1149	170.00	50
52.00	813	83.00	155	129.00	680	172.00	744
53.00	54	86.00	427	130.00	1284	173.00	3008
55.00	813	87.00	17816	131.00	572	174.00	416960
56.00	4324	88.00	17408	134.00	52	175.00	29864
57.00	8148	91.00	1288	135.00	613	176.00	403776
58.00	364	92.00	10003	137.00	489	177.00	26312
60.00	2736	93.00	14610	139.00	117	178.00	736
61.00	14252	94.00	43744	140.00	271	191.00	110
62.00	13548	95.00	422720	141.00	2957	207.00	23
63.00	10804	96.00	27480	142.00	472	208.00	71
64.00	1186	97.00	851	143.00	3203	260.00	145
65.00	228	103.00	192	144.00	225		
67.00	896	104.00	1396	145.00	312		

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Client Sample ID: _____ Lab Sample ID: MB 200-98817/4
 Matrix: Air Lab File ID: 17463_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 13:39
 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.: 98817 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	
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	
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	
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	
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	
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	0.20	U	0.20	
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	
142-82-5	n-Heptane	100.21	0.20	U	0.20	
79-01-6	Trichloroethene	131.39	0.20	U	0.20	
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	
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	
108-88-3	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	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: _____ Lab Sample ID: MB 200-98817/4
Matrix: Air Lab File ID: 17463_04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 13:39
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.: 98817 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	
106-93-4	1,2-Dibromoethane	187.87	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	
75-25-2	Bromoform	252.75	0.20	U	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	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	

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31275-1</u>
SDG No.: <u>200-31275</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-98817/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>17463_04.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>12/22/2015 13:39</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98817</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
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	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	
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	
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	
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	1.3	U	1.3	
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	
142-82-5	n-Heptane	100.21	0.82	U	0.82	
79-01-6	Trichloroethene	131.39	1.1	U	1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
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	
108-88-3	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	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: _____ Lab Sample ID: MB 200-98817/4
Matrix: Air Lab File ID: 17463_04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 13:39
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.: 98817 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	
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	
75-25-2	Bromoform	252.75	2.1	U	2.1	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	
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	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Dec-2015 13:39:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017463-004
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Dec-2015 14:19:41 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: XAWRK011

First Level Reviewer: desjardinsb

Date: 22-Dec-2015 14:19:41

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		3.851					ND	
9 Bromomethane	94		4.499					ND	
10 Chloroethane	64		4.718					ND	
11 2-Methylbutane	43		4.782					ND	
12 Vinyl bromide	106		5.093					ND	
13 Trichlorofluoromethane	101		5.178					ND	
14 Pentane	43		5.312					ND	
15 Ethanol	45		5.777					ND	
16 Ethyl ether	59		5.831					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.205					ND	
17 Acrolein	56		6.211					ND	
20 1,1-Dichloroethene	96		6.264					ND	
21 Acetone	43		6.521					ND	
22 Carbon disulfide	76		6.660					ND	
23 Isopropyl alcohol	45		6.837					ND	
24 3-Chloro-1-propene	41		7.029					ND	
25 Acetonitrile	41		7.184					ND	
26 Methylene Chloride	49	7.334	7.339	0.011	51	3678		0.1256	M
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		7.757					ND	
31 Acrylonitrile	53		7.933					ND	
32 Hexane	57		8.131					ND	
33 1,1-Dichloroethane	63		8.645					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		8.720					ND	
35 cis-1,2-Dichloroethene	96		9.784					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	75	364421	10.0	10.0	
39 Tetrahydrofuran	42		10.292					ND	
41 Chloroform	83		10.399					ND	
42 Cyclohexane	84		10.651					ND	
43 1,1,1-Trichloroethane	97		10.688					ND	
44 Carbon tetrachloride	117		10.945					ND	
45 Isooctane	57		11.395					ND	
46 Benzene	78		11.443					ND	
47 1,2-Dichloroethane	62		11.651					ND	
48 n-Heptane	43		11.806					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.347	12.341	0.006	92	2041058	10.0	10.0	
51 n-Butanol	56		12.823					ND	
52 Trichloroethene	95	12.844	12.844	0.000	84	794		0.0124	
53 1,2-Dichloropropane	63		13.438					ND	
54 Methyl methacrylate	69		13.615					ND	
55 1,4-Dioxane	88		13.690					ND	
56 Dibromomethane	174	13.732	13.711	0.021	89	934		0.0131	
57 Dichlorobromomethane	83		14.021					ND	
58 cis-1,3-Dichloropropene	75		14.995					ND	
A 60 TVOC as Toluene	1	15.244	(3.054-27.433)		0	5879474		51.2	
A 59 Total Hydrocarbons	1	15.244	(3.054-27.433)		0	5879474		NC	
61 4-Methyl-2-pentanone (MIBK)	43		15.327					ND	
62 Toluene	92		15.610					ND	
A 65 GRO	1	15.658	(15.658-15.658)		0	3071		0	
66 n-Octane	43		15.658					ND	
67 trans-1,3-Dichloropropene	75		16.247					ND	
68 1,1,2-Trichloroethane	83		16.643					ND	
69 Tetrachloroethene	166		16.739					ND	
70 2-Hexanone	43		17.135					ND	
71 Chlorodibromomethane	129		17.450					ND	
72 Ethylene Dibromide	107		17.734					ND	
* 73 Chlorobenzene-d5	117	18.676	18.675	0.001	82	1884182	10.0	10.0	
74 Chlorobenzene	112		18.740					ND	
75 Ethylbenzene	91		18.895					ND	
76 n-Nonane	57		19.018					ND	
77 m-Xylene & p-Xylene	106		19.162					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		20.580					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		21.495					ND	
86 N-Propylbenzene	91		21.554					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		22.715					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		25.175					ND	
104 1,2,4-Trichlorobenzene	180	26.267	26.256	0.011	89	2422		0.0201	
105 Hexachlorobutadiene	225		26.443					ND	
106 Naphthalene	128		26.764					ND	
107 1,2,3-Trichlorobenzene	180	27.267	27.262	0.005	92	2263		0.0226	
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

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\20151222-17463.b\17463_04.D

Injection Date: 22-Dec-2015 13:39:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

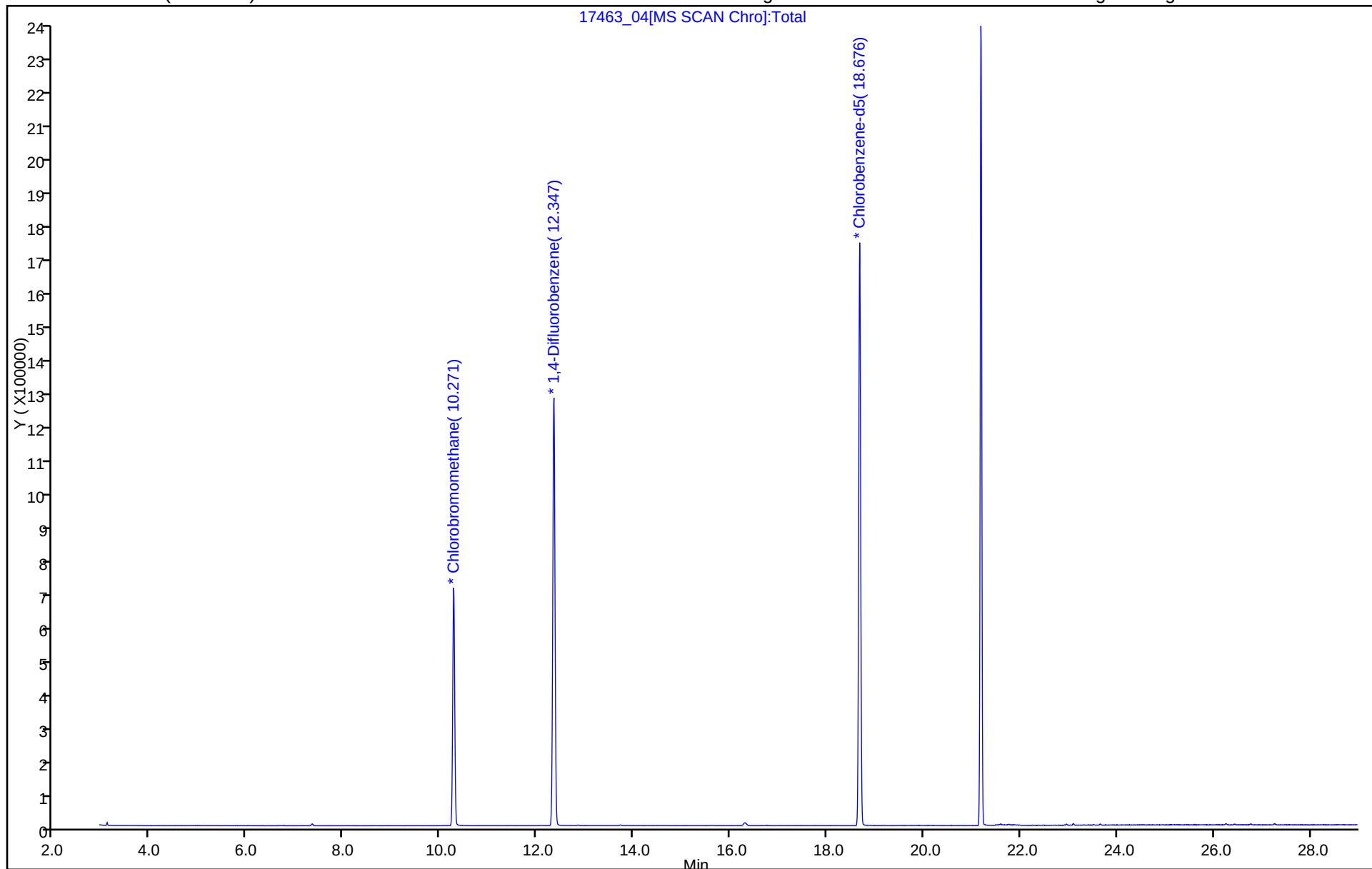
ALS Bottle#: 3

Method: TO15_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



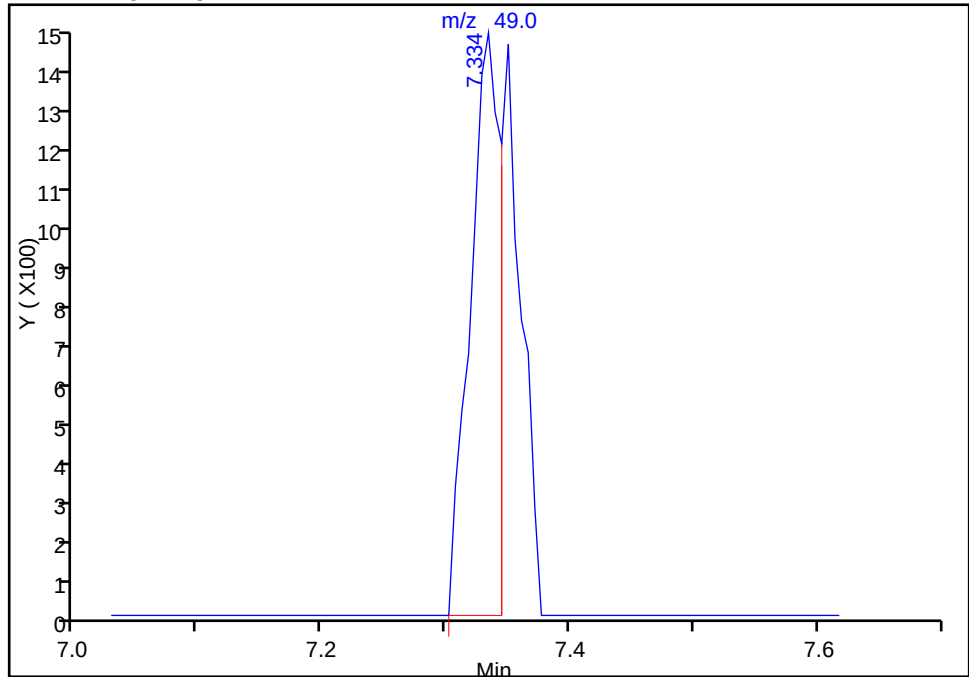
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_04.D		
Injection Date:	22-Dec-2015 13:39:30	Instrument ID:	CHX.i
Lims ID:	mb		
Client ID:			
Operator ID:	wrd	ALS Bottle#:	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
		Worklist Smp#:	4

26 Methylene Chloride, CAS: 75-09-2

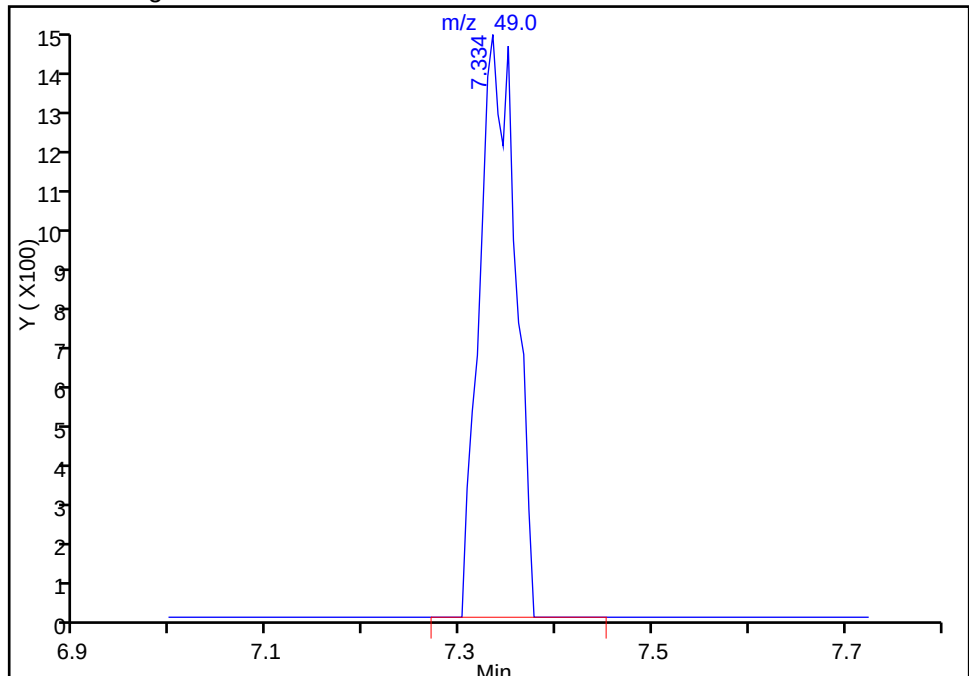
RT: 7.33
Area: 2417
Amount: 0.082534
Amount Units: ppb v/v

Processing Integration Results



RT: 7.33
Area: 3678
Amount: 0.125594
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 22-Dec-2015 14:19:41
Audit Action: Manually Integrated
Audit Reason: Baseline

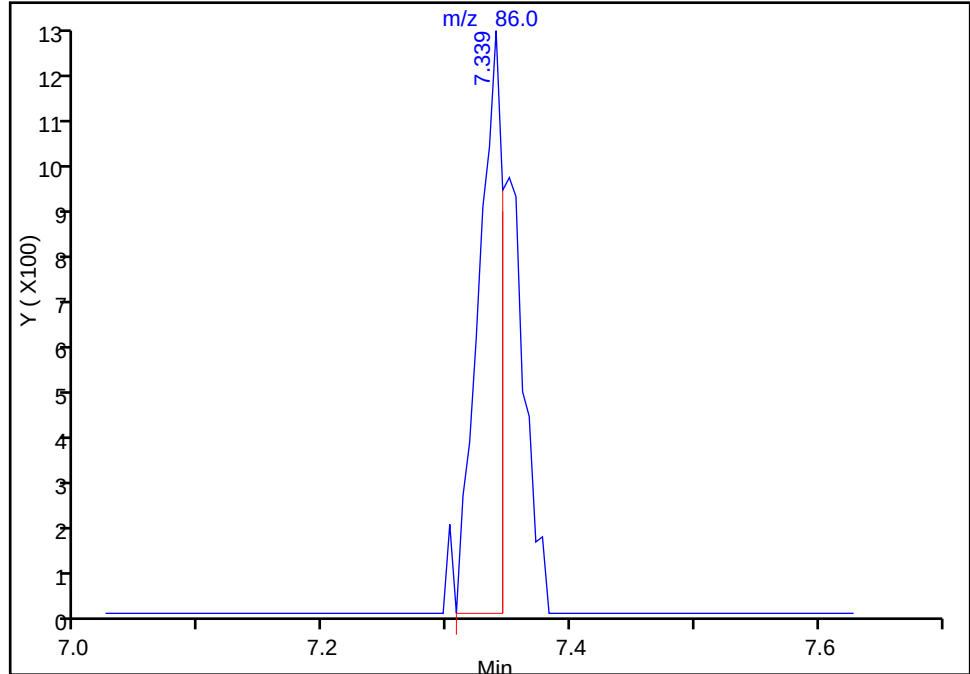
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_04.D
Injection Date: 22-Dec-2015 13:39:30 Instrument ID: CHX.i
Lims ID: mb
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

26 Methylene Chloride, CAS: 75-09-2

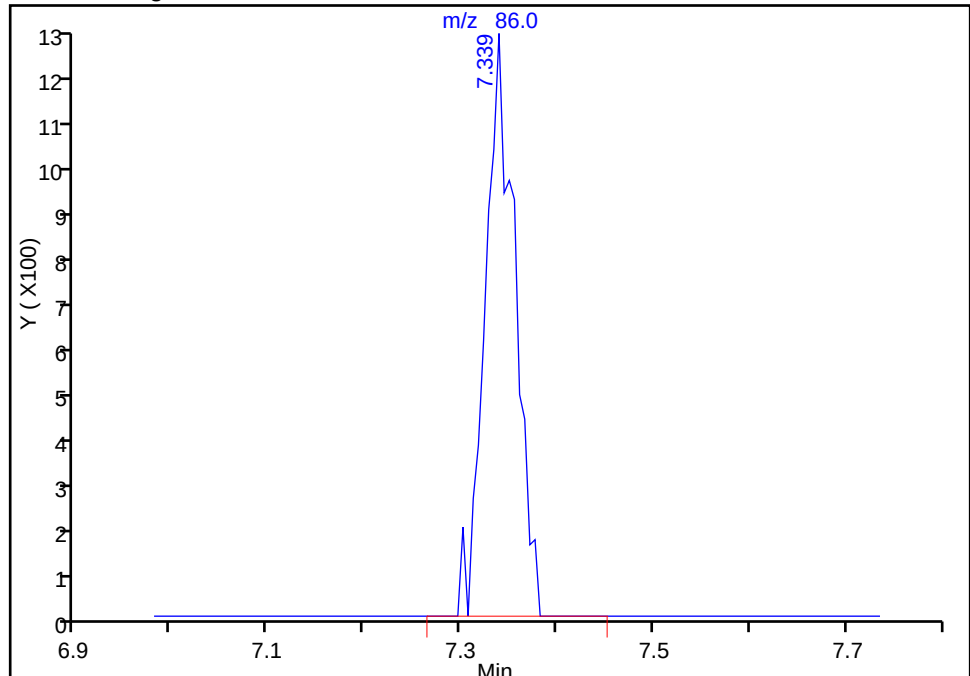
RT: 7.34
Area: 1692
Amount: 0.082534
Amount Units: ppb v/v

Processing Integration Results



RT: 7.34
Area: 2736
Amount: 0.125594
Amount Units: ppb v/v

Manual Integration Results



Reviewer: desjardinsb, 22-Dec-2015 14:19:41

Audit Action: Manually Integrated

Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
 SDG No.: 200-31275
 Client Sample ID: _____ Lab Sample ID: LCS 200-98817/3
 Matrix: Air Lab File ID: 17463_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 12:48
 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.: 98817 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	9.70		0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.7		0.20	
75-01-4	Vinyl chloride	62.50	9.04		0.20	
106-99-0	1,3-Butadiene	54.09	8.40		0.20	
74-83-9	Bromomethane	94.94	9.99		0.20	
75-00-3	Chloroethane	64.52	8.70		0.50	
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.66		0.20	
75-69-4	Trichlorofluoromethane	137.37	9.39		0.20	
75-35-4	1,1-Dichloroethene	96.94	9.61		0.20	
107-05-1	3-Chloropropene	76.53	7.18		0.50	
75-09-2	Methylene Chloride	84.93	8.22		0.50	
1634-04-4	Methyl tert-butyl ether	88.15	9.02		0.20	
156-60-5	trans-1,2-Dichloroethene	96.94	9.45		0.20	
110-54-3	n-Hexane	86.17	9.28		0.20	
75-34-3	1,1-Dichloroethane	98.96	9.08		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	9.84		0.20	
540-59-0	1,2-Dichloroethene, Total	96.94	19.3		0.40	
67-66-3	Chloroform	119.38	9.76		0.20	
71-55-6	1,1,1-Trichloroethane	133.41	10.3		0.20	
110-82-7	Cyclohexane	84.16	10.7		0.20	
56-23-5	Carbon tetrachloride	153.81	10.6		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	10.2		0.20	
71-43-2	Benzene	78.11	10.3		0.20	
107-06-2	1,2-Dichloroethane	98.96	10.1		0.20	
142-82-5	n-Heptane	100.21	9.90		0.20	
79-01-6	Trichloroethene	131.39	10.1		0.20	
78-87-5	1,2-Dichloropropane	112.99	10.4		0.20	
75-27-4	Bromodichloromethane	163.83	9.93		0.20	
10061-01-5	cis-1,3-Dichloropropene	110.97	10.4		0.20	
108-88-3	Toluene	92.14	9.88		0.20	
10061-02-6	trans-1,3-Dichloropropene	110.97	10.2		0.20	
79-00-5	1,1,2-Trichloroethane	133.41	10.4		0.20	
127-18-4	Tetrachloroethene	165.83	10.2		0.20	

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

Lab Name: TestAmerica Burlington Job No.: 200-31275-1
SDG No.: 200-31275
Client Sample ID: _____ Lab Sample ID: LCS 200-98817/3
Matrix: Air Lab File ID: 17463_03.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 12/22/2015 12:48
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.: 98817 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.29	9.02		0.20	
106-93-4	1,2-Dibromoethane	187.87	10.4		0.20	
100-41-4	Ethylbenzene	106.17	9.93		0.20	
179601-23-1	m,p-Xylene	106.17	20.1		0.50	
95-47-6	Xylene, o-	106.17	9.69		0.20	
1330-20-7	Xylene (total)	106.17	29.8		0.70	
75-25-2	Bromoform	252.75	7.44		0.20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.6		0.20	
622-96-8	4-Ethyltoluene	120.20	10.9		0.20	
108-67-8	1,3,5-Trimethylbenzene	120.20	8.61		0.20	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Dec-2015 12:48:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017463-003
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Dec-2015 11:34:10 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: XAWRK011

First Level Reviewer: desjardinsb

Date: 22-Dec-2015 13:46:59

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	3.092	3.092	0.000	99	135255	10.0	8.64	
2 Dichlorodifluoromethane	85	3.162	3.156	0.006	99	778146	10.0	9.70	
3 Chlorodifluoromethane	51	3.210	3.204	0.006	96	347182	10.0	9.11	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.413	3.413	0.000	91	864428	10.0	10.7	
5 Chloromethane	50	3.547	3.547	0.000	99	189130	10.0	8.63	
6 Butane	43	3.734	3.734	0.000	98	288668	10.0	8.20	
7 Vinyl chloride	62	3.777	3.777	0.000	98	264077	10.0	9.04	
8 Butadiene	54	3.852	3.851	0.001	91	170457	10.0	8.40	
9 Bromomethane	94	4.504	4.499	0.005	99	288315	10.0	9.99	
10 Chloroethane	64	4.724	4.718	0.006	98	117969	10.0	8.70	
11 2-Methylbutane	43	4.782	4.782	0.000	89	192708	10.0	8.20	
12 Vinyl bromide	106	5.093	5.093	0.000	99	335466	10.0	9.66	
13 Trichlorofluoromethane	101	5.184	5.178	0.006	98	808933	10.0	9.39	
14 Pentane	43	5.312	5.312	0.000	98	351920	10.0	8.81	
15 Ethanol	45	5.799	5.777	0.022	97	99121	15.0	10.0	
16 Ethyl ether	59	5.836	5.831	0.005	93	185145	10.0	9.51	
18 1,1,2-Trichloro-1,2,2-trif	101	6.211	6.205	0.006	96	668311	10.0	9.92	
17 Acrolein	56	6.211	6.211	0.000	39	83809	10.0	10.3	
\$ 19 BFB									
20 1,1-Dichloroethene	96	6.264	6.264	0.000	92	312814	10.0	9.61	
21 Acetone	43	6.521	6.521	0.000	95	286371	10.0	8.32	
22 Carbon disulfide	76	6.660	6.660	0.000	98	898301	10.0	10.7	
23 Isopropyl alcohol	45	6.842	6.837	0.005	100	247403	10.0	7.44	
24 3-Chloro-1-propene	41	7.035	7.029	0.006	93	216706	10.0	7.18	
25 Acetonitrile	41	7.184	7.184	0.000	99	134552	10.0	8.57	
26 Methylene Chloride	49	7.329	7.323	0.006	81	248349	10.0	8.22	
28 2-Methyl-2-propanol	59	7.639	7.628	0.011	92	450160	10.0	8.10	
29 Methyl tert-butyl ether	73	7.752	7.746	0.006	95	829148	10.0	9.02	
30 trans-1,2-Dichloroethene	61	7.762	7.757	0.005	92	405025	10.0	9.45	
31 Acrylonitrile	53	7.933	7.933	0.000	95	171474	10.0	8.85	
32 Hexane	57	8.137	8.131	0.006	86	407370	10.0	9.28	
33 1,1-Dichloroethane	63	8.645	8.645	0.000	99	523705	10.0	9.08	

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	8.725	8.720	0.005	99	536892	10.0	8.20	
35 cis-1,2-Dichloroethene	96	9.784	9.784	0.000	86	414659	10.0	9.84	
36 2-Butanone (MEK)	72	9.849	9.843	0.006	99	176668	10.0	9.28	
37 Ethyl acetate	88	9.886	9.881	0.005	99	33434	10.0	10.6	
S 38 1,2-Dichloroethene, Total	61				0		20.0	19.3	
* 40 Chlorobromomethane	128	10.271	10.266	0.005	77	375877	10.0	10.0	
39 Tetrahydrofuran	42	10.293	10.292	0.001	86	286751	10.0	9.78	
41 Chloroform	83	10.405	10.399	0.006	94	787593	10.0	9.76	
42 Cyclohexane	84	10.656	10.651	0.005	91	576030	10.0	10.7	
43 1,1,1-Trichloroethane	97	10.689	10.688	0.001	94	817613	10.0	10.3	
44 Carbon tetrachloride	117	10.945	10.945	0.000	97	908454	10.0	10.6	
45 Isooctane	57	11.405	11.395	0.010	99	1826960	10.0	10.2	
46 Benzene	78	11.448	11.443	0.005	93	1320628	10.0	10.3	
47 1,2-Dichloroethane	62	11.651	11.651	0.000	97	463541	10.0	10.1	
48 n-Heptane	43	11.812	11.806	0.006	83	558761	10.0	9.90	
* 50 1,4-Difluorobenzene	114	12.347	12.341	0.006	92	1985396	10.0	10.0	
51 n-Butanol	56	12.828	12.823	0.005	81	184340	10.0	9.67	
52 Trichloroethene	95	12.844	12.844	0.000	96	627698	10.0	10.1	
53 1,2-Dichloropropane	63	13.444	13.438	0.006	95	474460	10.0	10.4	
54 Methyl methacrylate	69	13.620	13.615	0.005	92	465250	10.0	10.1	
55 1,4-Dioxane	88	13.695	13.690	0.005	86	216052	10.0	9.97	
56 Dibromomethane	174	13.716	13.711	0.005	92	731189	10.0	10.6	
57 Dichlorobromomethane	83	14.021	14.021	0.000	97	905049	10.0	9.93	
58 cis-1,3-Dichloropropene	75	14.995	14.995	0.000	87	754475	10.0	10.4	
A 60 TVOC as Toluene	1	15.244	(3.054-27.433)		0	261613936	10.0	2344.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.327	15.327	0.000	91	727875	10.0	9.97	
62 Toluene	92	15.610	15.610	0.000	93	1050312	10.0	9.88	
A 65 GRO	1	15.658	(15.658-15.658)		0	3601981	10.0	0	
66 n-Octane	43	15.658	15.658	0.000	84	814302	10.0	10.1	
67 trans-1,3-Dichloropropene	75	16.252	16.247	0.005	92	749729	10.0	10.2	
68 1,1,2-Trichloroethane	83	16.648	16.643	0.005	93	516655	10.0	10.4	
69 Tetrachloroethene	166	16.744	16.739	0.005	96	1016813	10.0	10.2	
70 2-Hexanone	43	17.135	17.135	0.000	98	640537	10.0	9.14	
71 Chlorodibromomethane	129	17.451	17.450	0.001	97	929464	10.0	9.02	
72 Ethylene Dibromide	107	17.734	17.734	0.000	98	1016010	10.0	10.4	
* 73 Chlorobenzene-d5	117	18.676	18.675	0.001	82	1891877	10.0	10.0	
74 Chlorobenzene	112	18.740	18.740	0.000	98	1526395	10.0	10.1	
75 Ethylbenzene	91	18.895	18.895	0.000	97	2295759	10.0	9.93	
76 n-Nonane	57	19.018	19.018	0.000	84	934375	10.0	9.98	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	1902738	20.0	20.1	
S 80 Xylenes, Total	106				0		30.0	29.7	
78 o-Xylene	106	20.061	20.056	0.005	98	921807	10.0	9.69	
79 Styrene	104	20.120	20.115	0.005	94	1444943	10.0	9.79	
81 Bromoform	173	20.580	20.580	0.000	99	641222	10.0	7.44	
82 Isopropylbenzene	105	20.789	20.783	0.006	94	2637314	10.0	9.77	
85 1,1,2,2-Tetrachloroethane	83	21.495	21.495	0.000	98	1371746	10.0	10.6	
86 N-Propylbenzene	91	21.554	21.554	0.000	100	3168141	10.0	10.1	
87 1,2,3-Trichloropropane	75	21.597	21.591	0.006	96	986559	10.0	10.1	
88 n-Decane	57	21.730	21.730	0.000	90	1168118	10.0	11.1	
89 4-Ethyltoluene	105	21.752	21.752	0.000	98	2739059	10.0	10.9	
90 2-Chlorotoluene	91	21.762	21.762	0.000	96	2154011	10.0	10.1	
91 1,3,5-Trimethylbenzene	105	21.864	21.864	0.000	94	1851719	10.0	8.61	

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	22.249	22.249	0.000	92	973677	10.0	8.73	
93 tert-Butylbenzene	119	22.372	22.372	0.000	96	1755517	10.0	8.47	
94 1,2,4-Trimethylbenzene	105	22.474	22.474	0.000	96	1979286	10.0	9.28	
95 sec-Butylbenzene	105	22.715	22.715	0.001	99	3109214	10.0	10.3	
96 4-Isopropyltoluene	119	22.923	22.918	0.005	98	2860413	10.0	11.1	
97 1,3-Dichlorobenzene	146	22.961	22.955	0.006	94	1413064	10.0	8.93	
98 1,4-Dichlorobenzene	146	23.100	23.100	0.000	97	1470803	10.0	9.19	
99 Benzyl chloride	91	23.309	23.303	0.005	100	1516655	10.0	9.40	
101 n-Butylbenzene	91	23.517	23.517	0.000	97	2519555	10.0	10.8	
100 Undecane	57	23.533	23.533	0.000	91	1189536	10.0	9.93	
102 1,2-Dichlorobenzene	146	23.656	23.656	0.000	99	1599008	10.0	10.8	
103 Dodecane	57	25.176	25.175	0.001	95	878114	10.0	9.95	
104 1,2,4-Trichlorobenzene	180	26.256	26.256	0.000	93	1171698	10.0	9.69	
105 Hexachlorobutadiene	225	26.443	26.443	0.000	97	1204311	10.0	10.8	
106 Naphthalene	128	26.764	26.764	0.000	99	2016912	10.0	8.18	
107 1,2,3-Trichlorobenzene	180	27.262	27.262	0.000	96	968300	10.0	9.64	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00558

Amount Added: 200.00

Units: mL

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 22-Dec-2015 13:47:00

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151222-17463.b\17463_03.D

Injection Date: 22-Dec-2015 12:48:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

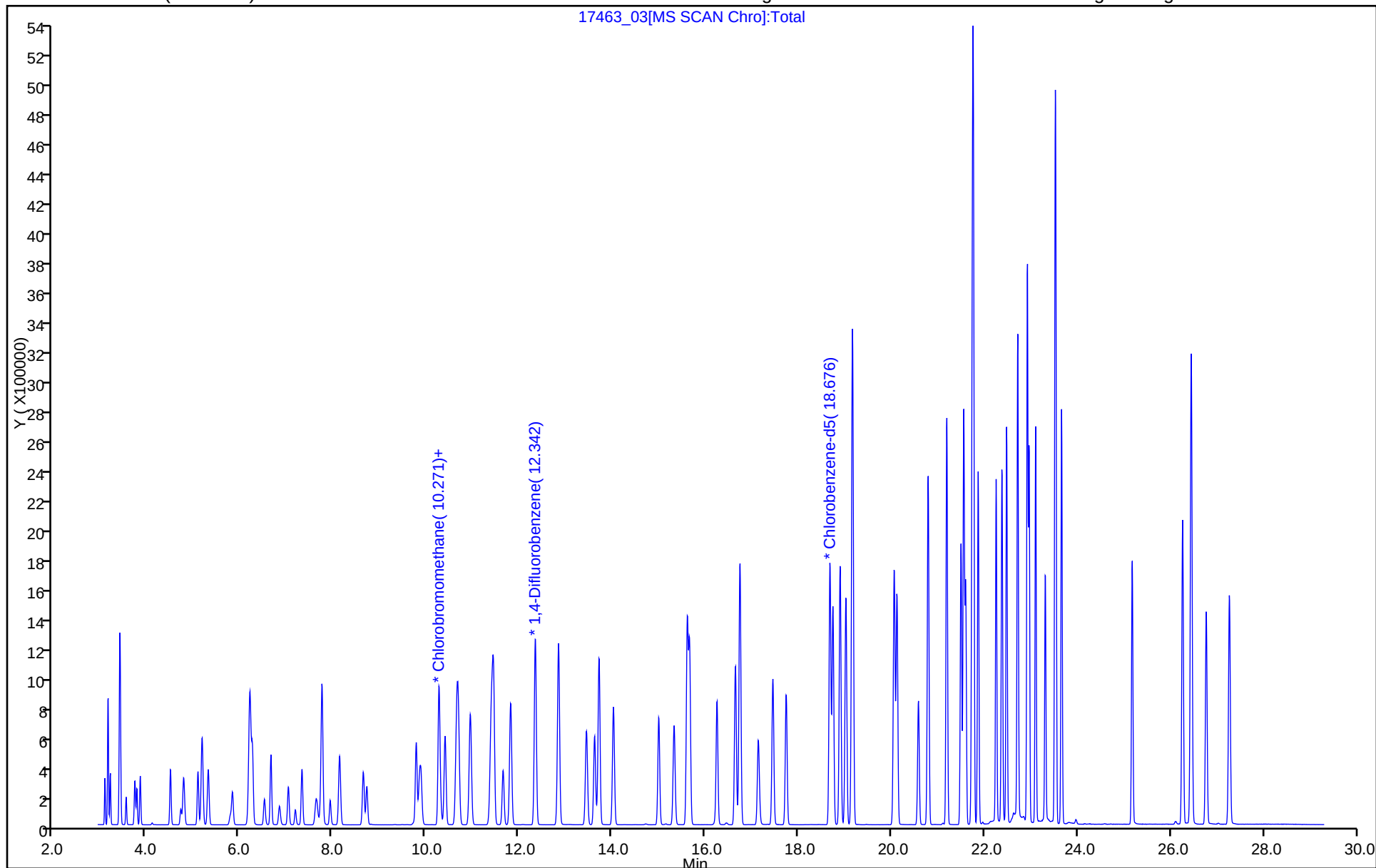
ALS Bottle#: 2

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 BurlingtonJob No.: 200-31275-1SDG No.: 200-31275Instrument ID: CHX.iStart Date: 12/02/2015 15:20Analysis Batch Number: 97814End 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 BurlingtonJob No.: 200-31275-1SDG No.: 200-31275Instrument ID: CHX.iStart Date: 12/22/2015 11:11Analysis Batch Number: 98817End Date: 12/23/2015 11:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-98817/1		12/22/2015 11:11	1	17463_01.D	RTX-624 0.32 (mm)
CCVIS 200-98817/2		12/22/2015 11:58	1	17463_02.D	RTX-624 0.32 (mm)
LCS 200-98817/3		12/22/2015 12:48	1	17463_03.D	RTX-624 0.32 (mm)
MB 200-98817/4		12/22/2015 13:39	1	17463_04.D	RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 14:39	1		RTX-624 0.32 (mm)
200-31275-2		12/22/2015 15:30	1	17463_06.D	RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 16:21	10		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 17:11	10		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 18:02	9.95		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 18:52	35.5		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 19:43	9.89		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 20:34	20.5		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 21:26	10		RTX-624 0.32 (mm)
ZZZZZ		12/22/2015 22:16	10		RTX-624 0.32 (mm)
ZZZZZ		12/23/2015 08:33	27.6		RTX-624 0.32 (mm)
ZZZZZ		12/23/2015 09:23	25.9		RTX-624 0.32 (mm)
ZZZZZ		12/23/2015 10:14	384		RTX-624 0.32 (mm)
ZZZZZ		12/23/2015 11:04	202		RTX-624 0.32 (mm)

[illegible]

⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

200-30516-A-4
4277
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/29/2015 12:00 AM 200-862491

Certification Type: ☐ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test									
System ID		# Cycles	Cleaning Date	Technician	Canister Size				
Aven 1/2		25	10/29/15	mm	6L 1L 3L				
Leak Test									
Port	Can ID	Initial ¹	Final	Adjusted Initial ²	Difference ³	Initial Reading	Final Reading		
		("Hg)	("Hg)	("Hg)		Gauge ID: 69	Gauge ID: 69		
1	5720	-29.5	-29.7	-29.7	-0.2	Date: 10/30/15	Date: 11/7/15		
2	2694	-29.8			-0.1	Time: 1500	Time: 1130		
3	2631	-30.0			-0.3	Tech: mm	Tech: mm		
4	1277	-29.7	-29.4	-29.4	0	BP: 29.6	BP: 29.4		
5	1321	-30.0			-0.3	Temp 73	Temp: 72		
6	3342	-30.0			-0.3	³ Acceptance Criteria:			
7	4926	-30.0			-0.3	(1) The difference must be less than or equal to + 0.5			
8	4075	-30.0			-0.3	(2) Pressure readings must be at least 24 hours apart.			
9	5139	-29.7			0	If time frame was not met, the PM must authorize shipment of canister:			
10	5113	-29.7			-0.3	PM Authorization:			
11	3067	-29.9			-0.2				
12	7143	-29.9			-0.2	Signature _____ Date _____			

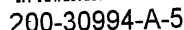
³To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

[illegible]

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Page 334 of 463



Loc: 200
30994
#5
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

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.

²To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

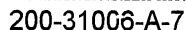
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

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:



Loc: 200

31006

#7

A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

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)

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:

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

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 16543_04.d
 Lab ID: LCS 200-96273/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.05	80	70-130	
Dichlorodifluoromethane	10.0	8.69	87	70-130	
Freon 22	10.0	8.19	82	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.99	100	70-130	
Chloromethane	10.0	7.85	79	70-130	
n-Butane	10.0	8.33	83	70-130	
Vinyl chloride	10.0	8.72	87	70-130	
1,3-Butadiene	10.0	8.62	86	70-130	
Bromomethane	10.0	8.68	87	70-130	
Chloroethane	10.0	8.17	82	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.60	96	70-130	
Trichlorofluoromethane	10.0	9.08	91	70-130	
Ethanol	15.0	16.9	112	70-130	
Freon TF	10.0	9.27	93	70-130	
1,1-Dichloroethene	10.0	9.51	95	70-130	
Acetone	10.0	9.60	96	70-130	
Isopropyl alcohol	10.0	9.99	100	70-130	
Carbon disulfide	10.0	10.0	100	70-130	
3-Chloropropene	10.0	9.21	92	70-130	
Methylene Chloride	10.0	8.04	80	70-130	
tert-Butyl alcohol	10.0	10.5	105	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	9.68	97	70-130	
n-Hexane	10.0	10.3	103	70-130	
1,1-Dichloroethane	10.0	9.20	92	70-130	
Vinyl acetate	10.0	8.73	87	70-130	
Ethyl acetate	10.0	9.96	100	70-130	
Methyl Ethyl Ketone	10.0	8.60	86	70-130	
cis-1,2-Dichloroethene	10.0	9.20	92	70-130	
Chloroform	10.0	8.97	90	70-130	
Tetrahydrofuran	10.0	8.58	86	70-130	
1,1,1-Trichloroethane	10.0	9.22	92	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	9.65	97	70-130	
2,2,4-Trimethylpentane	10.0	9.72	97	70-130	
Benzene	10.0	9.07	91	70-130	
1,2-Dichloroethane	10.0	9.06	91	70-130	
n-Heptane	10.0	9.31	93	70-130	
Trichloroethene	10.0	9.69	97	70-130	
Methyl methacrylate	10.0	9.64	96	70-130	
1,2-Dichloropropane	10.0	8.73	87	70-130	
1,4-Dioxane	10.0	11.9	119	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.: 200-30516-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 16543_04.d
 Lab ID: LCS 200-96273/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.02	90	70-130	
cis-1,3-Dichloropropene	10.0	10.2	102	70-130	
methyl isobutyl ketone	10.0	9.11	91	70-130	
Toluene	10.0	9.42	94	70-130	
trans-1,3-Dichloropropene	10.0	9.86	99	70-130	
1,1,2-Trichloroethane	10.0	9.19	92	70-130	
Tetrachloroethene	10.0	10.5	105	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.22	92	70-130	
Dibromochloromethane	10.0	9.32	93	70-130	
1,2-Dibromoethane	10.0	9.69	97	70-130	
Chlorobenzene	10.0	9.32	93	70-130	
Ethylbenzene	10.0	9.86	99	70-130	
m,p-Xylene	20.0	19.7	98	70-130	
Xylene, o-	10.0	10.5	105	70-130	
Styrene	10.0	10.4	104	70-130	
Bromoform	10.0	10.1	101	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.34	93	70-130	
n-Propylbenzene	10.0	10.1	101	70-130	
4-Ethyltoluene	10.0	10.2	102	70-130	
1,3,5-Trimethylbenzene	10.0	9.94	99	70-130	
2-Chlorotoluene	10.0	9.42	94	70-130	
tert-Butylbenzene	10.0	10.5	105	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	10.7	107	70-130	
1,3-Dichlorobenzene	10.0	9.75	97	70-130	
1,4-Dichlorobenzene	10.0	10.0	100	70-130	
Benzyl chloride	10.0	10.3	103	70-130	
n-Butylbenzene	10.0	9.51	95	70-130	
1,2-Dichlorobenzene	10.0	9.81	98	70-130	
1,2,4-Trichlorobenzene	10.0	10.5	105	70-130	
Hexachlorobutadiene	10.0	10.1	101	70-130	
Naphthalene	10.0	9.63	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.: 200-30994-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 17183_03.D
Lab ID: LCS 200-98071/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	7.07	71	70-130	
Dichlorodifluoromethane	10.0	8.00	80	70-130	
Freon 22	10.0	7.47	75	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.18	92	70-130	
Chloromethane	10.0	7.30	73	70-130	
n-Butane	10.0	7.17	72	70-130	
Vinyl chloride	10.0	7.65	77	70-130	
1,3-Butadiene	10.0	7.38	74	70-130	
Bromomethane	10.0	8.60	86	70-130	
Chloroethane	10.0	7.83	78	70-130	
Bromoethene (Vinyl Bromide)	10.0	8.90	89	70-130	
Trichlorofluoromethane	10.0	8.44	84	70-130	
Ethanol	15.0	13.9	93	70-130	
Freon TF	10.0	8.80	88	70-130	
1,1-Dichloroethene	10.0	8.59	86	70-130	
Acetone	10.0	9.15	91	70-130	
Isopropyl alcohol	10.0	8.22	82	70-130	
Carbon disulfide	10.0	9.36	94	70-130	
3-Chloropropene	10.0	7.42	74	70-130	
Methylene Chloride	10.0	7.29	73	70-130	
tert-Butyl alcohol	10.0	8.84	88	70-130	
Methyl tert-butyl ether	10.0	8.44	84	70-130	
trans-1,2-Dichloroethene	10.0	8.47	85	70-130	
n-Hexane	10.0	8.38	84	70-130	
1,1-Dichloroethane	10.0	8.28	83	70-130	
Vinyl acetate	10.0	7.55	75	70-130	
Ethyl acetate	10.0	9.31	93	70-130	
Methyl Ethyl Ketone	10.0	7.41	74	70-130	
cis-1,2-Dichloroethene	10.0	8.70	87	70-130	
Chloroform	10.0	8.62	86	70-130	
Tetrahydrofuran	10.0	7.89	79	70-130	
1,1,1-Trichloroethane	10.0	8.79	88	70-130	
Cyclohexane	10.0	8.89	89	70-130	
Carbon tetrachloride	10.0	9.14	91	70-130	
2,2,4-Trimethylpentane	10.0	8.00	80	70-130	
Benzene	10.0	8.49	85	70-130	
1,2-Dichloroethane	10.0	8.30	83	70-130	
n-Heptane	10.0	7.53	75	70-130	
Trichloroethene	10.0	8.61	86	70-130	
Methyl methacrylate	10.0	8.64	86	70-130	
1,2-Dichloropropane	10.0	8.21	82	70-130	
1,4-Dioxane	10.0	10.7	107	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.: 200-30994-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17183_03.D
 Lab ID: LCS 200-98071/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.51	85	70-130	
cis-1,3-Dichloropropene	10.0	8.70	87	70-130	
methyl isobutyl ketone	10.0	7.70	77	70-130	
Toluene	10.0	8.48	85	70-130	
trans-1,3-Dichloropropene	10.0	8.42	84	70-130	
1,1,2-Trichloroethane	10.0	8.78	88	70-130	
Tetrachloroethene	10.0	9.65	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	7.47	75	70-130	
Dibromochloromethane	10.0	8.95	90	70-130	
1,2-Dibromoethane	10.0	9.06	91	70-130	
Chlorobenzene	10.0	8.95	90	70-130	
Ethylbenzene	10.0	8.68	87	70-130	
m,p-Xylene	20.0	17.5	88	70-130	
Xylene, o-	10.0	8.72	87	70-130	
Styrene	10.0	9.17	92	70-130	
Bromoform	10.0	9.20	92	70-130	
Cumene	10.0	8.71	87	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.56	86	70-130	
n-Propylbenzene	10.0	8.43	84	70-130	
4-Ethyltoluene	10.0	8.74	87	70-130	
1,3,5-Trimethylbenzene	10.0	8.52	85	70-130	
2-Chlorotoluene	10.0	8.18	82	70-130	
tert-Butylbenzene	10.0	8.68	87	70-130	
1,2,4-Trimethylbenzene	10.0	8.46	85	70-130	
sec-Butylbenzene	10.0	8.48	85	70-130	
4-Isopropyltoluene	10.0	8.69	87	70-130	
1,3-Dichlorobenzene	10.0	8.96	90	70-130	
1,4-Dichlorobenzene	10.0	9.00	90	70-130	
Benzyl chloride	10.0	8.35	84	70-130	
n-Butylbenzene	10.0	8.37	84	70-130	
1,2-Dichlorobenzene	10.0	8.93	89	70-130	
1,2,4-Trichlorobenzene	10.0	9.04	90	70-130	
Hexachlorobutadiene	10.0	9.11	91	70-130	
Naphthalene	10.0	8.47	85	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.: 200-31006-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17183_03.D
 Lab ID: LCS 200-98071/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	7.07	71	70-130	
Dichlorodifluoromethane	10.0	8.00	80	70-130	
Freon 22	10.0	7.47	75	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.18	92	70-130	
Chloromethane	10.0	7.30	73	70-130	
n-Butane	10.0	7.17	72	70-130	
Vinyl chloride	10.0	7.65	77	70-130	
1,3-Butadiene	10.0	7.38	74	70-130	
Bromomethane	10.0	8.60	86	70-130	
Chloroethane	10.0	7.83	78	70-130	
Bromoethene (Vinyl Bromide)	10.0	8.90	89	70-130	
Trichlorofluoromethane	10.0	8.44	84	70-130	
Ethanol	15.0	13.9	93	70-130	
Freon TF	10.0	8.80	88	70-130	
1,1-Dichloroethene	10.0	8.59	86	70-130	
Acetone	10.0	9.15	91	70-130	
Isopropyl alcohol	10.0	8.22	82	70-130	
Carbon disulfide	10.0	9.36	94	70-130	
3-Chloropropene	10.0	7.42	74	70-130	
Methylene Chloride	10.0	7.29	73	70-130	
tert-Butyl alcohol	10.0	8.84	88	70-130	
Methyl tert-butyl ether	10.0	8.44	84	70-130	
trans-1,2-Dichloroethene	10.0	8.47	85	70-130	
n-Hexane	10.0	8.38	84	70-130	
1,1-Dichloroethane	10.0	8.28	83	70-130	
Vinyl acetate	10.0	7.55	75	70-130	
Ethyl acetate	10.0	9.31	93	70-130	
Methyl Ethyl Ketone	10.0	7.41	74	70-130	
cis-1,2-Dichloroethene	10.0	8.70	87	70-130	
Chloroform	10.0	8.62	86	70-130	
Tetrahydrofuran	10.0	7.89	79	70-130	
1,1,1-Trichloroethane	10.0	8.79	88	70-130	
Cyclohexane	10.0	8.89	89	70-130	
Carbon tetrachloride	10.0	9.14	91	70-130	
2,2,4-Trimethylpentane	10.0	8.00	80	70-130	
Benzene	10.0	8.49	85	70-130	
1,2-Dichloroethane	10.0	8.30	83	70-130	
n-Heptane	10.0	7.53	75	70-130	
Trichloroethene	10.0	8.61	86	70-130	
Methyl methacrylate	10.0	8.64	86	70-130	
1,2-Dichloropropane	10.0	8.21	82	70-130	
1,4-Dioxane	10.0	10.7	107	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.: 200-31006-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17183_03.D
 Lab ID: LCS 200-98071/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.51	85	70-130	
cis-1,3-Dichloropropene	10.0	8.70	87	70-130	
methyl isobutyl ketone	10.0	7.70	77	70-130	
Toluene	10.0	8.48	85	70-130	
trans-1,3-Dichloropropene	10.0	8.42	84	70-130	
1,1,2-Trichloroethane	10.0	8.78	88	70-130	
Tetrachloroethene	10.0	9.65	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	7.47	75	70-130	
Dibromochloromethane	10.0	8.95	90	70-130	
1,2-Dibromoethane	10.0	9.06	91	70-130	
Chlorobenzene	10.0	8.95	90	70-130	
Ethylbenzene	10.0	8.68	87	70-130	
m,p-Xylene	20.0	17.5	88	70-130	
Xylene, o-	10.0	8.72	87	70-130	
Styrene	10.0	9.17	92	70-130	
Bromoform	10.0	9.20	92	70-130	
Cumene	10.0	8.71	87	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.56	86	70-130	
n-Propylbenzene	10.0	8.43	84	70-130	
4-Ethyltoluene	10.0	8.74	87	70-130	
1,3,5-Trimethylbenzene	10.0	8.52	85	70-130	
2-Chlorotoluene	10.0	8.18	82	70-130	
tert-Butylbenzene	10.0	8.68	87	70-130	
1,2,4-Trimethylbenzene	10.0	8.46	85	70-130	
sec-Butylbenzene	10.0	8.48	85	70-130	
4-Isopropyltoluene	10.0	8.69	87	70-130	
1,3-Dichlorobenzene	10.0	8.96	90	70-130	
1,4-Dichlorobenzene	10.0	9.00	90	70-130	
Benzyl chloride	10.0	8.35	84	70-130	
n-Butylbenzene	10.0	8.37	84	70-130	
1,2-Dichlorobenzene	10.0	8.93	89	70-130	
1,2,4-Trichlorobenzene	10.0	9.04	90	70-130	
Hexachlorobutadiene	10.0	9.11	91	70-130	
Naphthalene	10.0	8.47	85	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.: 200-30516-1
SDG No.: _____
Lab File ID: 16543_05.d Lab Sample ID: MB 200-96273/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 10/30/2015 13:35
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 200-96273/4	16543_04.d	10/30/2015 12:45
4277	200-30516-4	16543_27.d	10/31/2015 07:44

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

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-96273/5
 Matrix: Air Lab File ID: 16543_05.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/30/2015 13:35
 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.: 96273 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.: 200-30516-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-96273/5

Matrix: Air Lab File ID: 16543_05.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 10/30/2015 13:35

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.: 96273 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.: 200-30516-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-96273/5
Matrix: Air Lab File ID: 16543_05.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/30/2015 13:35
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.: 96273 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\CHW.i\20151030-16543.b\16543_05.d
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Oct-2015 13:35:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0016543-005
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHW.i
 Method: \\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\TO15_MasterMethod_(v1).m
 Limit Group: AI_TO15_ICAL
 Last Update: 02-Nov-2015 12:11:58 Calib Date: 27-Oct-2015 10:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20151026-16465.b\16465_18.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: daiglep

Date: 02-Nov-2015 10:31:53

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		4.308					ND	
2 Dichlorodifluoromethane	85		4.410					ND	
3 Chlorodifluoromethane	51		4.485					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.800					ND	
5 Chloromethane	50		4.993					ND	
6 Butane	43		5.282					ND	
7 Vinyl chloride	62		5.346					ND	
8 Butadiene	54		5.453					ND	
10 Bromomethane	94		6.368					ND	
11 Chloroethane	64		6.678					ND	
12 2-Methylbutane	43		6.764					ND	
13 Vinyl bromide	106		7.175					ND	
14 Trichlorofluoromethane	101		7.293					ND	
16 Pentane	43		7.470					ND	
17 Ethanol	45		7.957					ND	
18 Ethyl ether	59		8.085					ND	
T 15 Methyl Acetate TIC	43		8.501					ND	
19 Acrolein	56		8.588					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		8.599					ND	
21 1,1-Dichloroethene	96		8.668					ND	
22 Acetone	43		8.946					ND	
23 Carbon disulfide	76		9.166					ND	
24 Isopropyl alcohol	45	9.240	9.230	0.010	91	4686		0.1578	
25 3-Chloro-1-propene	41		9.594					ND	
26 Acetonitrile	41		9.759					ND	
27 Methylene Chloride	49		9.931					ND	
28 2-Methyl-2-propanol	59		10.123					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
29 Methyl tert-butyl ether	73		10.375					ND	
31 trans-1,2-Dichloroethene	61		10.433					ND	
32 Acrylonitrile	53		10.621					ND	

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		10.856					ND	
34 1,1-Dichloroethane	63		11.429					ND	
35 Vinyl acetate	43		11.477					ND	
T 36 Methyl cyclohexane TIC	55		11.500					ND	
37 cis-1,2-Dichloroethene	96		12.616					ND	
38 2-Butanone (MEK)	72		12.654					ND	
39 Ethyl acetate	88		12.664					ND	
* 40 Chlorobromomethane	128	13.103	13.108	-0.005	67	295000	10.0	10.0	
41 Tetrahydrofuran	42		13.108					ND	
42 Chloroform	83		13.215					ND	
43 Cyclohexane	84		13.510					ND	
44 1,1,1-Trichloroethane	97		13.531					ND	
45 Carbon tetrachloride	117	13.782	13.788	-0.006	30	702		0.006032	
46 Isooctane	57		14.184					ND	
47 Benzene	78		14.253					ND	
48 1,2-Dichloroethane	62		14.414					ND	
49 n-Heptane	43		14.531					ND	
A 51 GRO	1	14.917	(6.754-23.079)		0	5140121		0	
* 50 1,4-Difluorobenzene	114	15.007	15.018	-0.011	93	1352572	10.0	10.0	
52 n-Butanol	56		15.296					ND	
53 Trichloroethene	95		15.473					ND	
54 1,2-Dichloropropane	63		16.019					ND	
55 Methyl methacrylate	69		16.099					ND	
56 1,4-Dioxane	88		16.190					ND	
57 Dibromomethane	174	16.249	16.254	-0.005	13	1156		0.0160	
58 Dichlorobromomethane	83		16.500					ND	
A 59 TVOC as Toluene	92	16.826	(4.298-29.355)		0	5461443		61.1	
60 cis-1,3-Dichloropropene	75		17.377					ND	
61 4-Methyl-2-pentanone (MIBK)	43		17.618					ND	
64 n-Octane	43		17.934					ND	
A 62 C8 Range	1	17.958	(17.884-17.984)		0	3850		NC	
65 Toluene	92		17.955					ND	
A 63 Toluene Range	92	17.955	(17.915-17.995)		0	13532		0.1668	
66 trans-1,3-Dichloropropene	75		18.485					ND	
67 1,1,2-Trichloroethane	83		18.859					ND	
68 Tetrachloroethene	166		18.988					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		19.141					ND	
69 2-Hexanone	43		19.260					ND	
71 Chlorodibromomethane	129		19.614					ND	
72 Ethylene Dibromide	107		19.908					ND	
S 73 Xylenes, Total	106		20.100					ND	
* 74 Chlorobenzene-d5	117	20.726	20.726	0.000	83	1228139	10.0	10.0	
75 Chlorobenzene	112	20.785	20.785	0.000	80	2031		0.0159	
76 Ethylbenzene	91		20.892					ND	
77 n-Nonane	57		20.935					ND	
78 m-Xylene & p-Xylene	106		21.101					ND	
79 o-Xylene	106		21.796					ND	
80 Styrene	104		21.834					ND	
81 Bromoform	173		22.203					ND	
\$ 83 4-Bromofluorobenzene	95		22.203				ND	ND	
82 Isopropylbenzene	105		22.347					ND	
84 1,1,2,2-Tetrachloroethane	83		22.888					ND	

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		22.968					ND	
86 1,2,3-Trichloropropane	75		22.995					ND	
87 n-Decane	57		23.069					ND	
88 4-Ethyltoluene	105		23.134					ND	
89 2-Chlorotoluene	91		23.166					ND	
90 1,3,5-Trimethylbenzene	105		23.225					ND	
91 Alpha Methyl Styrene	118		23.578					ND	
92 tert-Butylbenzene	119		23.711					ND	
93 1,2,4-Trimethylbenzene	105		23.802					ND	
94 sec-Butylbenzene	105		24.048					ND	
95 4-Isopropyltoluene	119		24.257					ND	
96 1,3-Dichlorobenzene	146	24.337	24.327	0.010	93	3518		0.0194	
97 1,4-Dichlorobenzene	146	24.492	24.476	0.016	94	3441		0.0194	
98 Benzyl chloride	91	24.717	24.696	0.021	1	1946		0.0107	
99 Undecane	57		24.878					ND	
100 n-Butylbenzene	91		24.915					ND	
101 1,2-Dichlorobenzene	146	25.108	25.102	0.006	82	3110		0.0177	M
102 Dodecane	57		26.766					ND	
103 1,2,4-Trichlorobenzene	180	28.130	28.125	0.005	91	3271		0.0242	
104 Hexachlorobutadiene	225		28.339					ND	
105 Naphthalene	128		28.756					ND	
106 1,2,3-Trichlorobenzene	180	29.361	29.345	0.016	1	3186		0.0231	
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	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\16543_05.d

Injection Date: 30-Oct-2015 13:35:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

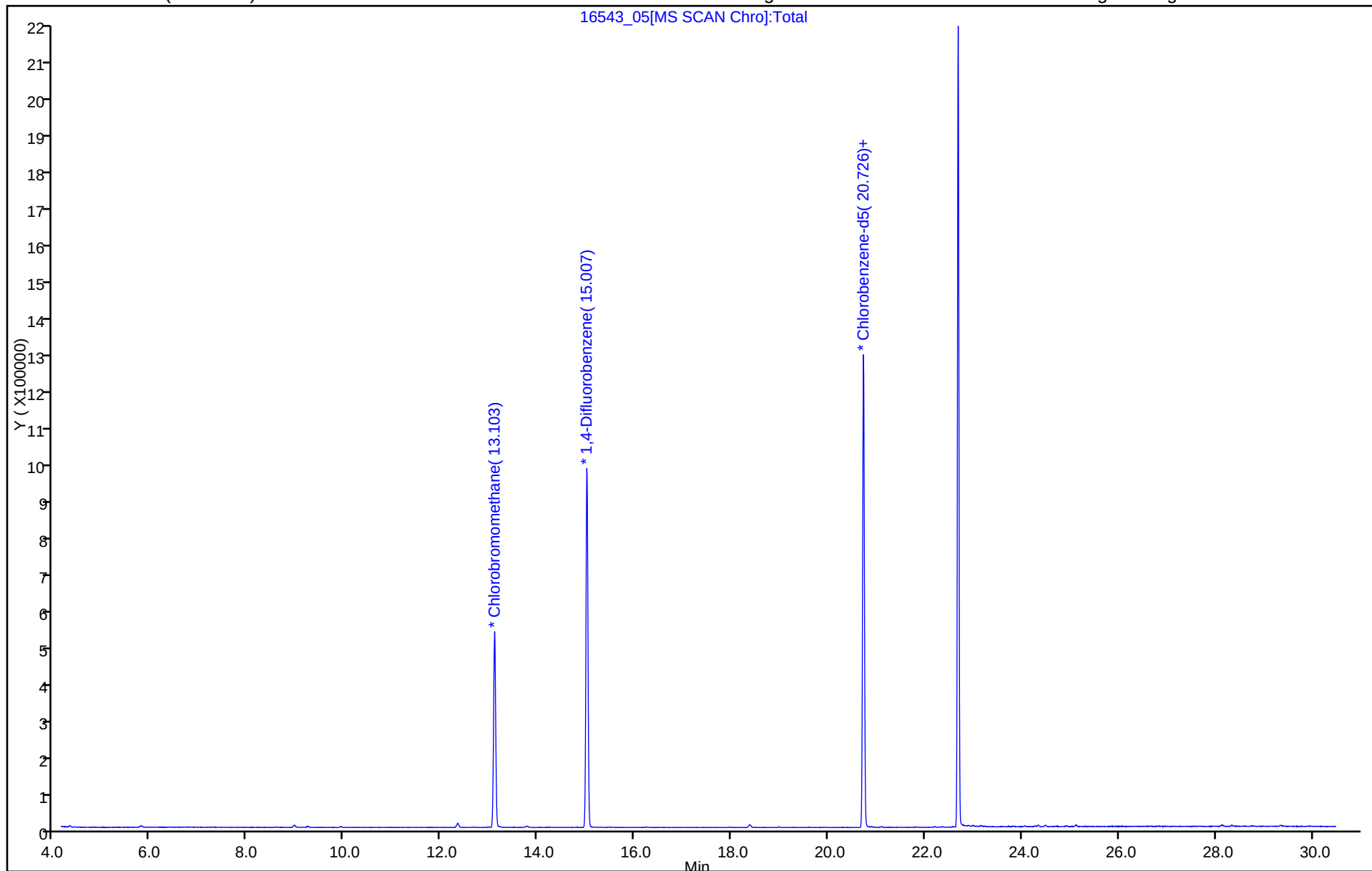
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



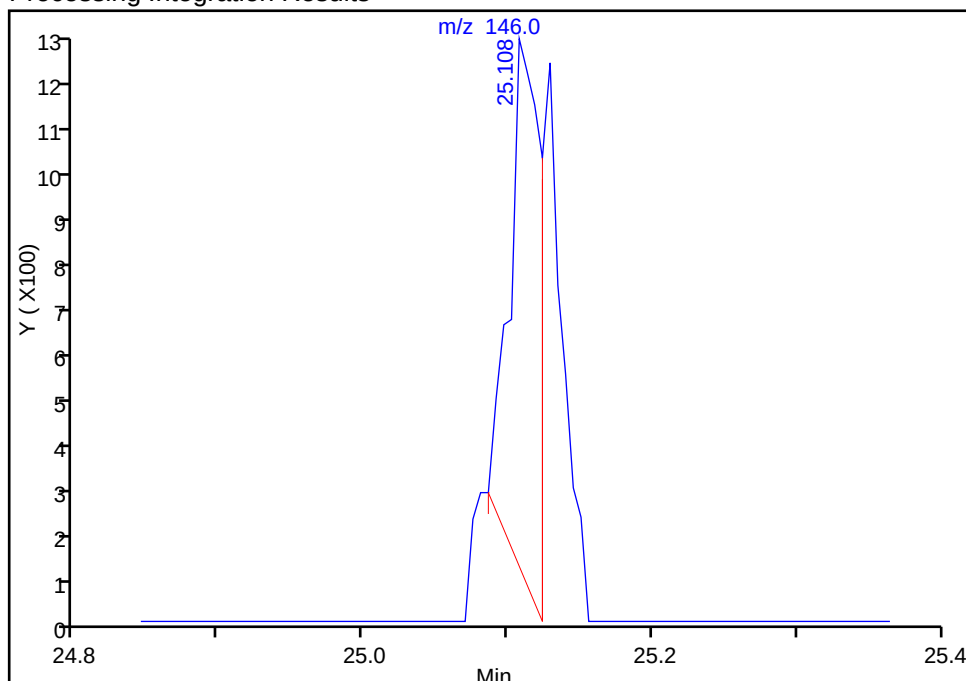
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\16543_05.d		
Injection Date:	30-Oct-2015 13:35:30	Instrument ID:	CHW.i
Lims ID:	mb		
Client ID:			
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

101 1,2-Dichlorobenzene, CAS: 95-50-1

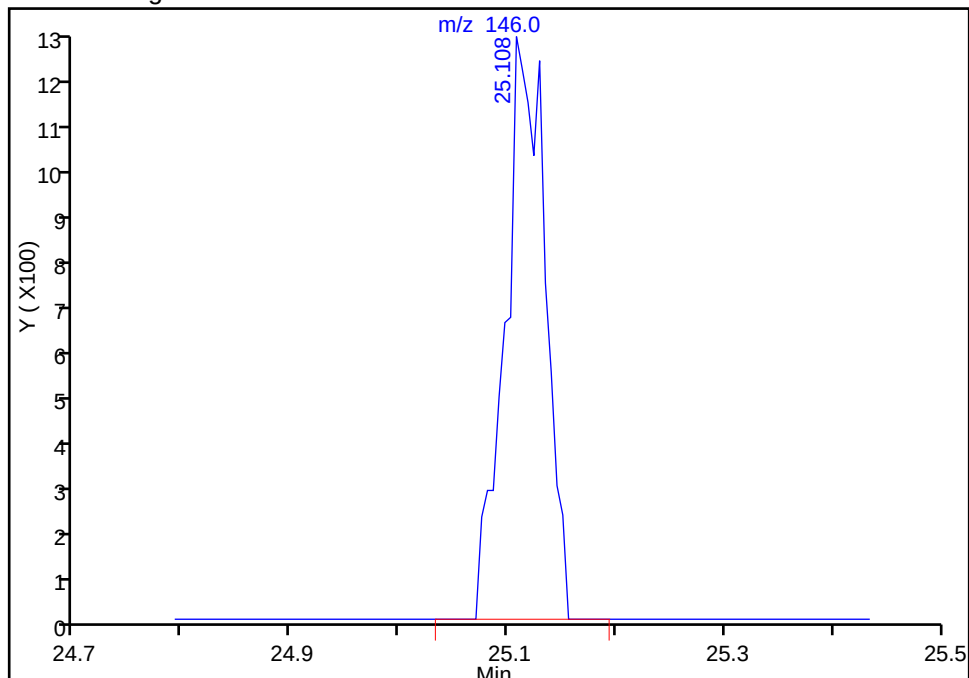
RT: 25.11
Area: 1696
Amount: 0.009631
Amount Units: ppb v/v

Processing Integration Results



RT: 25.11
Area: 3110
Amount: 0.017661
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 02-Nov-2015 10:31:53
Audit Action: Manually Integrated
Audit Reason: Baseline

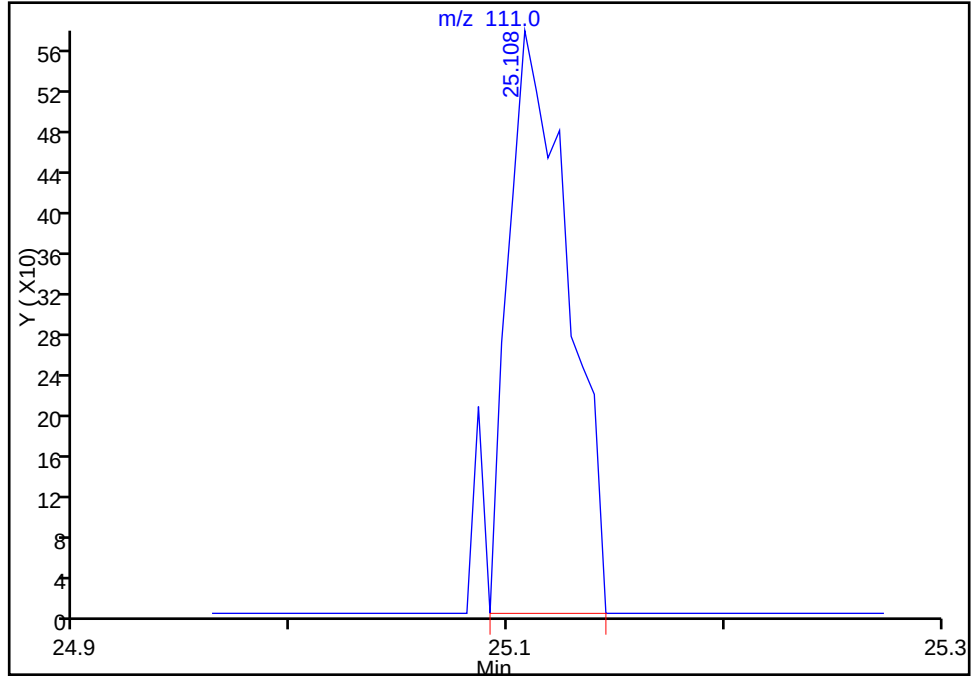
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\16543_05.d
Injection Date: 30-Oct-2015 13:35:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: pad ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

101 1,2-Dichlorobenzene, CAS: 95-50-1

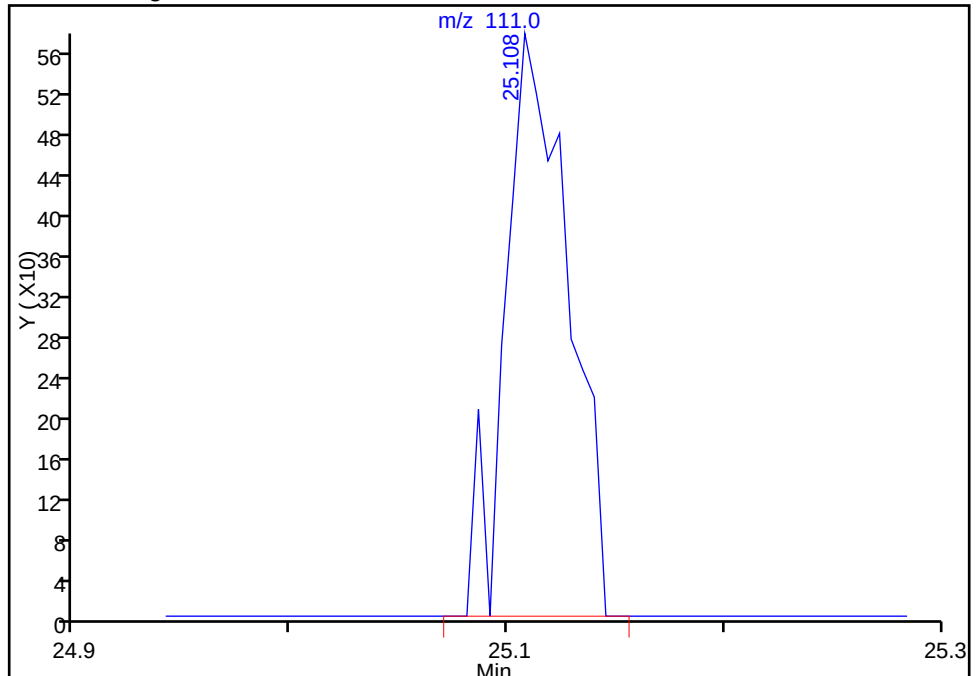
RT: 25.11
Area: 1096
Amount: 0.009631
Amount Units: ppb v/v

Processing Integration Results



RT: 25.11
Area: 1161
Amount: 0.017661
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 02-Nov-2015 10:31:53

Audit Action: Manually Integrated

Audit Reason: Baseline

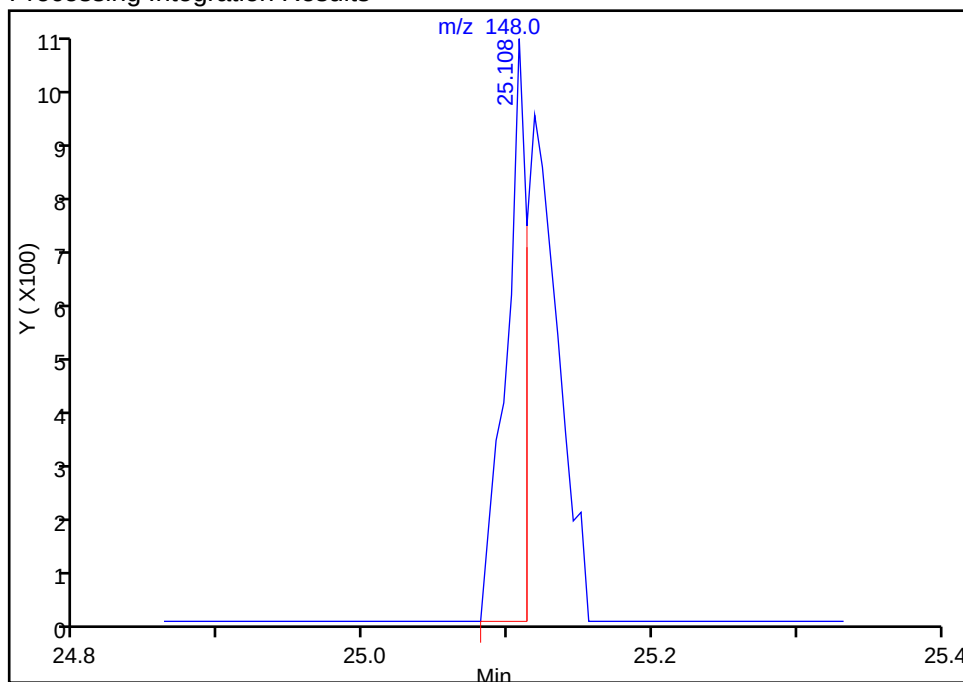
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\16543_05.d		
Injection Date:	30-Oct-2015 13:35:30	Instrument ID:	CHW.i
Lims ID:	mb		
Client ID:			
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

101 1,2-Dichlorobenzene, CAS: 95-50-1

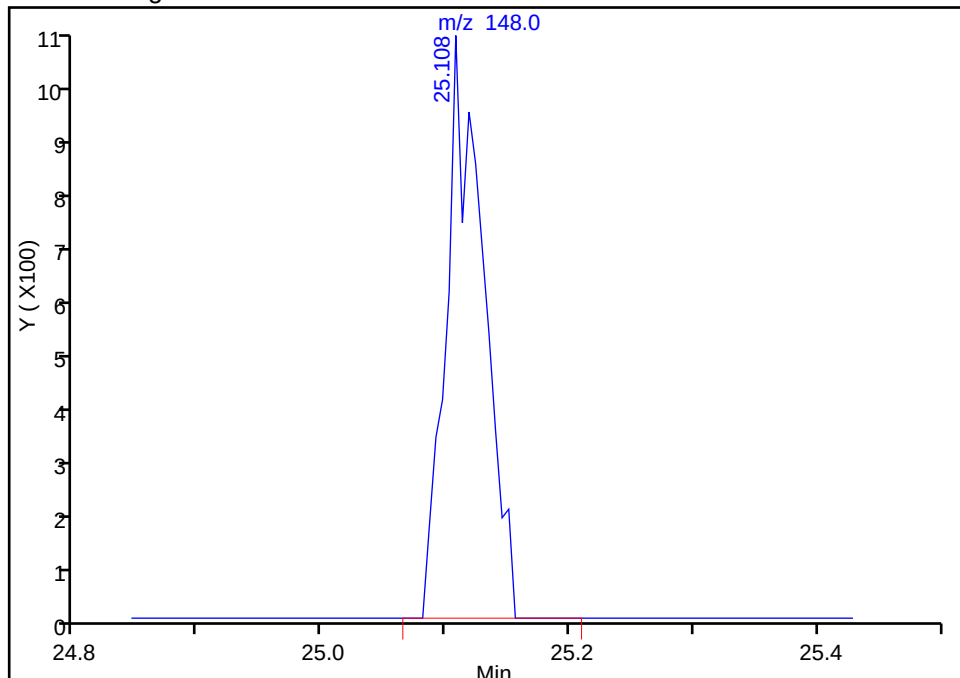
RT: 25.11
Area: 1010
Amount: 0.009631
Amount Units: ppb v/v

Processing Integration Results



RT: 25.11
Area: 2143
Amount: 0.017661
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 02-Nov-2015 10:31:53

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
SDG No.: _____
Lab File ID: 17183_04.D Lab Sample ID: MB 200-98071/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHC.i Date Analyzed: 12/08/2015 13:40
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 200-98071/3	17183_03.D	12/08/2015 12:53
2680	200-30994-5	17183_22.D	12/09/2015 05:19

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

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-98071/4
 Matrix: Air Lab File ID: 17183_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/08/2015 13:40
 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.: 98071 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.: 200-30994-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-98071/4
 Matrix: Air Lab File ID: 17183_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/08/2015 13:40
 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.: 98071 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.: 200-30994-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-98071/4
Matrix: Air Lab File ID: 17183_04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 12/08/2015 13:40
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.: 98071 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\CHC.i\20151208-17183.b\17183_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Dec-2015 13:40:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017183-004
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2015 11:30:57 Calib Date: 19-Nov-2015 23:30:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20151119-16909.b\16909_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: desjardinsb

Date: 10-Dec-2015 11:30:57

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		2.985					ND	
2 Dichlorodifluoromethane	85		3.060					ND	
3 Chlorodifluoromethane	51		3.113					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327					ND	
5 Chloromethane	50		3.466					ND	
6 Butane	43		3.674					ND	
7 Vinyl chloride	62		3.717					ND	
8 Butadiene	54		3.797					ND	
10 Bromomethane	94		4.496					ND	
11 Chloroethane	64		4.741					ND	
12 2-Methylbutane	43		4.821					ND	
13 Vinyl bromide	106		5.141					ND	
14 Trichlorofluoromethane	101		5.248					ND	
16 Pentane	43		5.392					ND	
17 Ethanol	45		5.873					ND	
18 Ethyl ether	59		5.937					ND	
19 Acrolein	56		6.332					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.364					ND	
21 1,1-Dichloroethene	96		6.396					ND	
22 Acetone	43		6.652					ND	
23 Carbon disulfide	76		6.780					ND	
24 Isopropyl alcohol	45		6.977					ND	
25 3-Chloro-1-propene	41		7.212					ND	
T 15 Methyl Acetate TIC	43		7.308					ND	
26 Acetonitrile	41		7.351					ND	
27 Methylene Chloride	49	7.522	7.516	0.006	82	3388		0.0941	
28 2-Methyl-2-propanol	59		7.762					ND	
29 Methyl tert-butyl ether	73		7.927					ND	
31 trans-1,2-Dichloroethene	61		7.965					ND	
32 Acrylonitrile	53		8.125					ND	
33 Hexane	57		8.354					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	10.462	10.462	0.000	85	283881	10.0	10.0	
34 1,1-Dichloroethane	63		8.851					ND	
35 Vinyl acetate	43		8.947					ND	
37 cis-1,2-Dichloroethene	96		9.987					ND	
38 2-Butanone (MEK)	72		10.046					ND	
39 Ethyl acetate	88		10.099					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
41 Tetrahydrofuran	42		10.462					ND	
42 Chloroform	83		10.601					ND	
43 Cyclohexane	84		10.825					ND	
44 1,1,1-Trichloroethane	97		10.868					ND	
45 Carbon tetrachloride	117		11.119					ND	
46 Isooctane	57		11.567					ND	
47 Benzene	78		11.594					ND	
48 1,2-Dichloroethane	62		11.791					ND	
49 n-Heptane	43		11.967					ND	
* 50 1,4-Difluorobenzene	114	12.464	12.464	0.000	93	1538440	10.0	10.0	
52 n-Butanol	56		12.885					ND	
53 Trichloroethene	95		12.928					ND	
A 51 GRO	1	13.109	(4.811-21.408)		0	467882		0	
T 36 Methyl cyclohexane TIC	55		13.179					ND	
54 1,2-Dichloropropane	63		13.499					ND	
55 Methyl methacrylate	69		13.686					ND	
56 1,4-Dioxane	88		13.734					ND	
57 Dibromomethane	174		13.761					ND	
58 Dichlorobromomethane	83		14.070					ND	
A 59 TVOC as Toluene	1	14.812	(2.975-26.649)		0	727003		0	
60 cis-1,3-Dichloropropene	75		15.020					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.314					ND	
65 Toluene	92		15.607					ND	
A 63 Toluene Range	1	15.607	(15.567-15.647)		0	17780		NC	
64 n-Octane	43		15.671					ND	
A 62 C8 Range	1		(15.639-15.619)					ND	
66 trans-1,3-Dichloropropene	75		16.221					ND	
67 1,1,2-Trichloroethane	83		16.594					ND	
68 Tetrachloroethene	166		16.691					ND	
69 2-Hexanone	43		17.043					ND	
71 Chlorodibromomethane	129		17.358					ND	
72 Ethylene Dibromide	107		17.619					ND	
* 74 Chlorobenzene-d5	117	18.516	18.516	0.000	84	1362945	10.0	10.0	
75 Chlorobenzene	112		18.574					ND	
76 Ethylbenzene	91		18.729					ND	
77 n-Nonane	57		18.857					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		18.980					ND	
78 m-Xylene & p-Xylene	106		18.980					ND	
79 o-Xylene	106		19.818					ND	
80 Styrene	104		19.871					ND	
S 73 Xylenes, Total	106		20.100					ND	
81 Bromoform	173		20.293					ND	
82 Isopropylbenzene	105		20.501					ND	
* 83 4-Bromofluorobenzene	95	20.869	20.869	0.000	98	775800	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83		21.158					ND	

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		21.222					ND	
86 1,2,3-Trichloropropane	75		21.254					ND	
87 n-Decane	57		21.398					ND	
88 4-Ethyltoluene	105		21.408					ND	
89 2-Chlorotoluene	91		21.419					ND	
90 1,3,5-Trimethylbenzene	105		21.515					ND	
91 Alpha Methyl Styrene	118		21.883					ND	
92 tert-Butylbenzene	119		22.001					ND	
93 1,2,4-Trimethylbenzene	105		22.097					ND	
94 sec-Butylbenzene	105		22.326					ND	
95 4-Isopropyltoluene	119		22.529					ND	
96 1,3-Dichlorobenzene	146		22.556					ND	
97 1,4-Dichlorobenzene	146		22.695					ND	
98 Benzyl chloride	91		22.887					ND	
100 n-Butylbenzene	91		23.095					ND	
99 Undecane	57		23.122					ND	
101 1,2-Dichlorobenzene	146		23.218					ND	
102 Dodecane	57		24.685					ND	
103 1,2,4-Trichlorobenzene	180	25.694	25.689	0.005	83	2238		0.0226	
104 Hexachlorobutadiene	225		25.875					ND	
105 Naphthalene	128	26.169	26.169	0.000	95	3766		0.0202	
106 1,2,3-Trichlorobenzene	180	26.639	26.639	0.000	55	2079		0.0269	
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	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CISs_00007

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\17183_04.D

Injection Date: 08-Dec-2015 13:40:30

Instrument ID: CHC.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

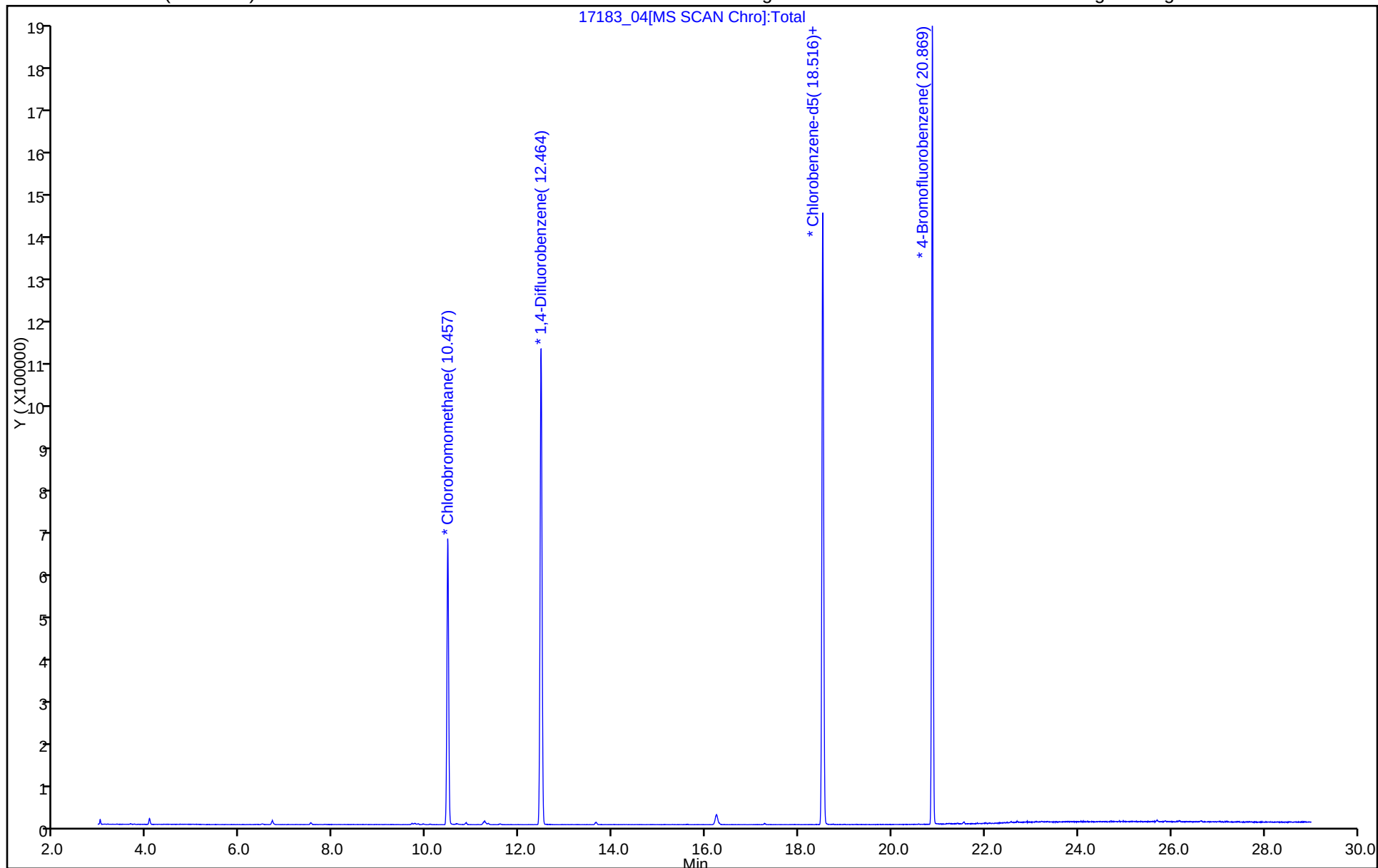
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
SDG No.: _____
Lab File ID: 17183_04.D Lab Sample ID: MB 200-98071/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHC.i Date Analyzed: 12/08/2015 13:40
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 200-98071/3	17183_03.D	12/08/2015 12:53
5421	200-31006-7	17183_21.D	12/09/2015 04:16

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

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-98071/4
 Matrix: Air Lab File ID: 17183_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/08/2015 13:40
 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.: 98071 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.: 200-31006-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-98071/4

Matrix: Air Lab File ID: 17183_04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 12/08/2015 13:40

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.: 98071 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.: 200-31006-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-98071/4
Matrix: Air Lab File ID: 17183_04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 12/08/2015 13:40
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.: 98071 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\CHC.i\20151208-17183.b\17183_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Dec-2015 13:40:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017183-004
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2015 11:30:57 Calib Date: 19-Nov-2015 23:30:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20151119-16909.b\16909_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: desjardinsb

Date: 10-Dec-2015 11:30:57

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		2.985					ND	
2 Dichlorodifluoromethane	85		3.060					ND	
3 Chlorodifluoromethane	51		3.113					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327					ND	
5 Chloromethane	50		3.466					ND	
6 Butane	43		3.674					ND	
7 Vinyl chloride	62		3.717					ND	
8 Butadiene	54		3.797					ND	
10 Bromomethane	94		4.496					ND	
11 Chloroethane	64		4.741					ND	
12 2-Methylbutane	43		4.821					ND	
13 Vinyl bromide	106		5.141					ND	
14 Trichlorofluoromethane	101		5.248					ND	
16 Pentane	43		5.392					ND	
17 Ethanol	45		5.873					ND	
18 Ethyl ether	59		5.937					ND	
19 Acrolein	56		6.332					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.364					ND	
21 1,1-Dichloroethene	96		6.396					ND	
22 Acetone	43		6.652					ND	
23 Carbon disulfide	76		6.780					ND	
24 Isopropyl alcohol	45		6.977					ND	
25 3-Chloro-1-propene	41		7.212					ND	
T 15 Methyl Acetate TIC	43		7.308					ND	
26 Acetonitrile	41		7.351					ND	
27 Methylene Chloride	49	7.522	7.516	0.006	82	3388		0.0941	
28 2-Methyl-2-propanol	59		7.762					ND	
29 Methyl tert-butyl ether	73		7.927					ND	
31 trans-1,2-Dichloroethene	61		7.965					ND	
32 Acrylonitrile	53		8.125					ND	
33 Hexane	57		8.354					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	10.462	10.462	0.000	85	283881	10.0	10.0	
34 1,1-Dichloroethane	63		8.851					ND	
35 Vinyl acetate	43		8.947					ND	
37 cis-1,2-Dichloroethene	96		9.987					ND	
38 2-Butanone (MEK)	72		10.046					ND	
39 Ethyl acetate	88		10.099					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
41 Tetrahydrofuran	42		10.462					ND	
42 Chloroform	83		10.601					ND	
43 Cyclohexane	84		10.825					ND	
44 1,1,1-Trichloroethane	97		10.868					ND	
45 Carbon tetrachloride	117		11.119					ND	
46 Isooctane	57		11.567					ND	
47 Benzene	78		11.594					ND	
48 1,2-Dichloroethane	62		11.791					ND	
49 n-Heptane	43		11.967					ND	
* 50 1,4-Difluorobenzene	114	12.464	12.464	0.000	93	1538440	10.0	10.0	
52 n-Butanol	56		12.885					ND	
53 Trichloroethene	95		12.928					ND	
A 51 GRO	1	13.109	(4.811-21.408)		0	467882		0	
T 36 Methyl cyclohexane TIC	55		13.179					ND	
54 1,2-Dichloropropane	63		13.499					ND	
55 Methyl methacrylate	69		13.686					ND	
56 1,4-Dioxane	88		13.734					ND	
57 Dibromomethane	174		13.761					ND	
58 Dichlorobromomethane	83		14.070					ND	
A 59 TVOC as Toluene	1	14.812	(2.975-26.649)		0	727003		0	
60 cis-1,3-Dichloropropene	75		15.020					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.314					ND	
65 Toluene	92		15.607					ND	
A 63 Toluene Range	1	15.607	(15.567-15.647)		0	17780		NC	
64 n-Octane	43		15.671					ND	
A 62 C8 Range	1		(15.639-15.619)					ND	
66 trans-1,3-Dichloropropene	75		16.221					ND	
67 1,1,2-Trichloroethane	83		16.594					ND	
68 Tetrachloroethene	166		16.691					ND	
69 2-Hexanone	43		17.043					ND	
71 Chlorodibromomethane	129		17.358					ND	
72 Ethylene Dibromide	107		17.619					ND	
* 74 Chlorobenzene-d5	117	18.516	18.516	0.000	84	1362945	10.0	10.0	
75 Chlorobenzene	112		18.574					ND	
76 Ethylbenzene	91		18.729					ND	
77 n-Nonane	57		18.857					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		18.980					ND	
78 m-Xylene & p-Xylene	106		18.980					ND	
79 o-Xylene	106		19.818					ND	
80 Styrene	104		19.871					ND	
S 73 Xylenes, Total	106		20.100					ND	
81 Bromoform	173		20.293					ND	
82 Isopropylbenzene	105		20.501					ND	
* 83 4-Bromofluorobenzene	95	20.869	20.869	0.000	98	775800	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83		21.158					ND	

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		21.222					ND	
86 1,2,3-Trichloropropane	75		21.254					ND	
87 n-Decane	57		21.398					ND	
88 4-Ethyltoluene	105		21.408					ND	
89 2-Chlorotoluene	91		21.419					ND	
90 1,3,5-Trimethylbenzene	105		21.515					ND	
91 Alpha Methyl Styrene	118		21.883					ND	
92 tert-Butylbenzene	119		22.001					ND	
93 1,2,4-Trimethylbenzene	105		22.097					ND	
94 sec-Butylbenzene	105		22.326					ND	
95 4-Isopropyltoluene	119		22.529					ND	
96 1,3-Dichlorobenzene	146		22.556					ND	
97 1,4-Dichlorobenzene	146		22.695					ND	
98 Benzyl chloride	91		22.887					ND	
100 n-Butylbenzene	91		23.095					ND	
99 Undecane	57		23.122					ND	
101 1,2-Dichlorobenzene	146		23.218					ND	
102 Dodecane	57		24.685					ND	
103 1,2,4-Trichlorobenzene	180	25.694	25.689	0.005	83	2238		0.0226	
104 Hexachlorobutadiene	225		25.875					ND	
105 Naphthalene	128	26.169	26.169	0.000	95	3766		0.0202	
106 1,2,3-Trichlorobenzene	180	26.639	26.639	0.000	55	2079		0.0269	
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	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CISs_00007

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\17183_04.D

Injection Date: 08-Dec-2015 13:40:30

Instrument ID: CHC.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

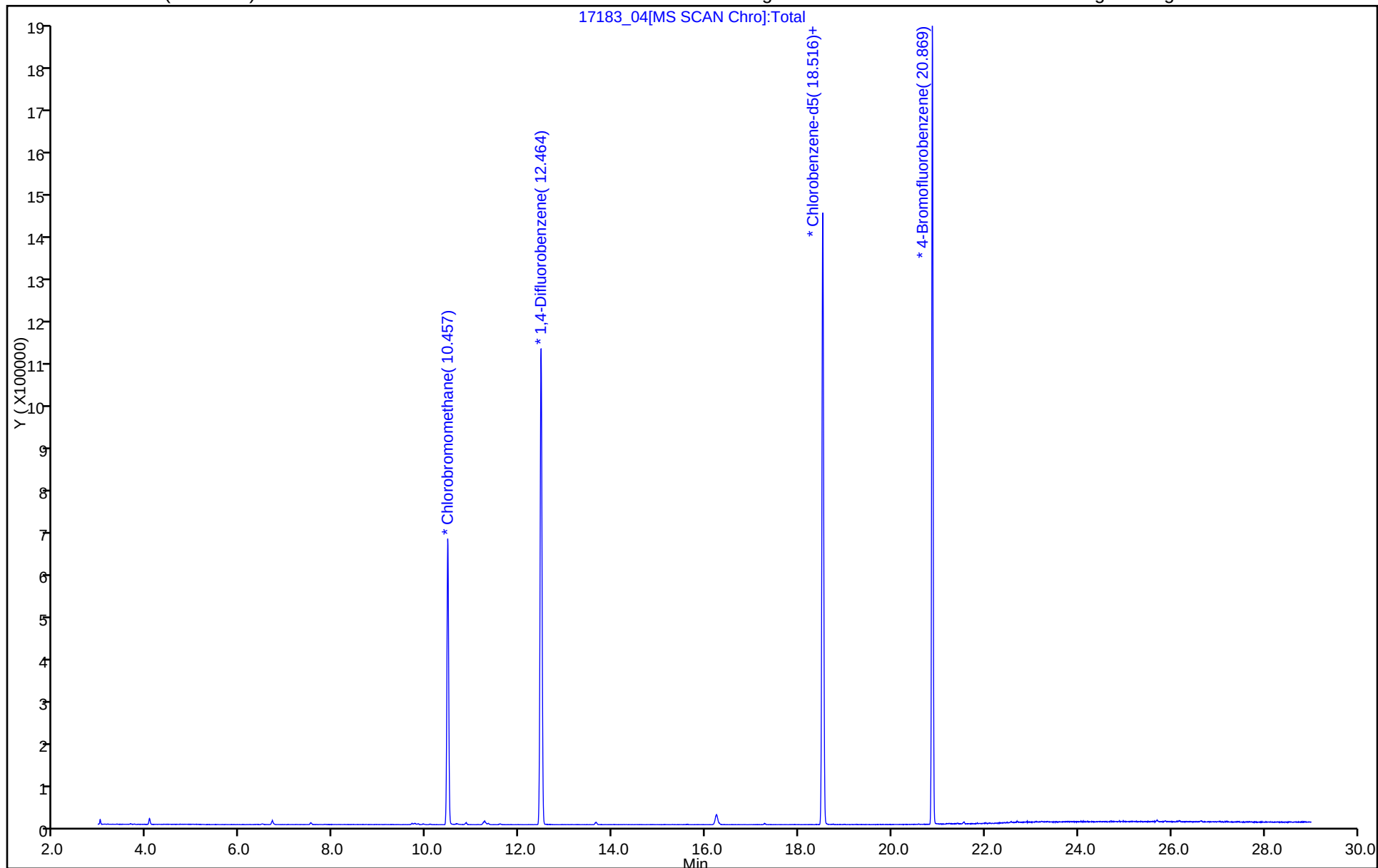
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_CHC.i

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.: 200-30516-1
 SDG No.: _____
 Lab File ID: 16465_01.d BFB Injection Date: 10/26/2015
 Instrument ID: CHW.i BFB Injection Time: 15:15
 Analysis Batch No.: 96052

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.4
75	30.0 - 66.0% of mass 95	48.8
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	98.5
175	4.0 - 9.0 % of mass 174	6.8 (6.9)1
176	93.0 - 101.0% of mass 174	95.7 (97.1)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
	IC 200-96052/3	16465_03.d	10/26/2015	16:59
	IC 200-96052/6	16465_06.d	10/26/2015	19:26
	IC 200-96052/7	16465_07.d	10/26/2015	20:14
	ICIS 200-96052/8	16465_08.d	10/26/2015	21:03
	IC 200-96052/9	16465_09.d	10/26/2015	21:52
	IC 200-96052/10	16465_10.d	10/26/2015	22:42
	IC 200-96052/17	16465_17.d	10/27/2015	09:59
	IC 200-96052/18	16465_18.d	10/27/2015	10:49
	ICV 200-96052/21	16465_21.d	10/27/2015	13:17

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Lab File ID: 16543_01.d BFB Injection Date: 10/30/2015
 Instrument ID: CHW.i BFB Injection Time: 10:17
 Analysis Batch No.: 96273

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.9
75	30.0 - 66.0% of mass 95	50.7
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	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	106.3
175	4.0 - 9.0 % of mass 174	7.4 (6.9)1
176	93.0 - 101.0% of mass 174	103.3 (97.1)1
177	5.0 - 9.0% of mass 176	6.9 (6.7)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 200-96273/3	16543_03.d	10/30/2015	11:57
	LCS 200-96273/4	16543_04.d	10/30/2015	12:45
	MB 200-96273/5	16543_05.d	10/30/2015	13:35
4277	200-30516-4	16543_27.d	10/31/2015	07:44

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
 SDG No.: _____
 Lab File ID: 16909_01.D BFB Injection Date: 11/19/2015
 Instrument ID: CHC.i BFB Injection Time: 16:24
 Analysis Batch No.: 97280

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.6
75	30.0 - 66.0% of mass 95	46.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	106.6
175	4.0 - 9.0 % of mass 174	7.7 (7.2) 1
176	93.0 - 101.0% of mass 174	103.4 (96.9) 1
177	5.0 - 9.0% of mass 176	6.9 (6.7) 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 200-97280/3	16909_03.D	11/19/2015	18:00
	IC 200-97280/4	16909_04.D	11/19/2015	18:48
	IC 200-97280/5	16909_05.D	11/19/2015	19:35
	IC 200-97280/6	16909_06.D	11/19/2015	20:22
	ICIS 200-97280/7	16909_07.D	11/19/2015	21:09
	IC 200-97280/8	16909_08.D	11/19/2015	21:56
	IC 200-97280/9	16909_09.D	11/19/2015	22:43
	IC 200-97280/10	16909_10.D	11/19/2015	23:30
	ICV 200-97280/16	16909_16.D	11/20/2015	04:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
 SDG No.: _____
 Lab File ID: 17183_01.D BFB Injection Date: 12/08/2015
 Instrument ID: CHC.i BFB Injection Time: 11:17
 Analysis Batch No.: 98071

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.3
75	30.0 - 66.0% of mass 95	44.7
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	0.2 (0.2) 1
174	50.0 - 120.0% of mass 95	115.6
175	4.0 - 9.0 % of mass 174	8.4 (7.3) 1
176	93.0 - 101.0% of mass 174	113.2 (97.9) 1
177	5.0 - 9.0% of mass 176	7.4 (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 200-98071/2	17183_02.D	12/08/2015	12:06
	LCS 200-98071/3	17183_03.D	12/08/2015	12:53
	MB 200-98071/4	17183_04.D	12/08/2015	13:40
2680	200-30994-5	17183_22.D	12/09/2015	05:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab File ID: 16909_01.D BFB Injection Date: 11/19/2015
 Instrument ID: CHC.i BFB Injection Time: 16:24
 Analysis Batch No.: 97280

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.6
75	30.0 - 66.0% of mass 95	46.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	106.6
175	4.0 - 9.0 % of mass 174	7.7 (7.2) 1
176	93.0 - 101.0% of mass 174	103.4 (96.9) 1
177	5.0 - 9.0% of mass 176	6.9 (6.7) 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 200-97280/3	16909_03.D	11/19/2015	18:00
	IC 200-97280/4	16909_04.D	11/19/2015	18:48
	IC 200-97280/5	16909_05.D	11/19/2015	19:35
	IC 200-97280/6	16909_06.D	11/19/2015	20:22
	ICIS 200-97280/7	16909_07.D	11/19/2015	21:09
	IC 200-97280/8	16909_08.D	11/19/2015	21:56
	IC 200-97280/9	16909_09.D	11/19/2015	22:43
	IC 200-97280/10	16909_10.D	11/19/2015	23:30
	ICV 200-97280/16	16909_16.D	11/20/2015	04:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab File ID: 17183_01.D BFB Injection Date: 12/08/2015
 Instrument ID: CHC.i BFB Injection Time: 11:17
 Analysis Batch No.: 98071

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.3
75	30.0 - 66.0% of mass 95	44.7
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	0.2 (0.2) 1
174	50.0 - 120.0% of mass 95	115.6
175	4.0 - 9.0 % of mass 174	8.4 (7.3) 1
176	93.0 - 101.0% of mass 174	113.2 (97.9) 1
177	5.0 - 9.0% of mass 176	7.4 (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 200-98071/2	17183_02.D	12/08/2015	12:06
	LCS 200-98071/3	17183_03.D	12/08/2015	12:53
	MB 200-98071/4	17183_04.D	12/08/2015	13:40
5421	200-31006-7	17183_21.D	12/09/2015	04:16

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

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Sample No.: ICIS 200-96052/8 Date Analyzed: 10/26/2015 21:03
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 16465_08.d Heated Purge: (Y/N) N
 Calibration ID: 32528

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	296746	13.11	1307393	15.02	1256552	20.73
UPPER LIMIT	415444	13.44	1830350	15.35	1759173	21.06
LOWER LIMIT	178048	12.78	784436	14.69	753931	20.40
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-96052/21		282948	13.11	1285800	15.01	1249831
						20.73

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-30516-1
 SDG No.: _____
 Sample No.: CCVIS 200-96273/3 Date Analyzed: 10/30/2015 11:57
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 16543_03.d Heated Purge: (Y/N) N
 Calibration ID: 32528

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		278710	13.11	1254914	15.02	1177082	20.73
UPPER LIMIT		390194	13.44	1756880	15.35	1647915	21.06
LOWER LIMIT		167226	12.78	752948	14.69	706249	20.40
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-96273/4		302464	13.11	1369919	15.01	1299486	20.73
MB 200-96273/5		295000	13.10	1352572	15.01	1228139	20.73
200-30516-4	4277	197900	13.10	913619	15.01	843207	20.73

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-30994-1
 SDG No.: _____
 Sample No.: ICIS 200-97280/7 Date Analyzed: 11/19/2015 21:09
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 16909_07.D Heated Purge: (Y/N) N
 Calibration ID: 32779

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	229224	10.46	1195382	12.47	1067534	18.52	
UPPER LIMIT	320914	10.79	1673535	12.80	1494548	18.85	
LOWER LIMIT	137534	10.13	717229	12.14	640520	18.19	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-97280/16		238567	10.46	1262274	12.47	1135546	18.52

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-30994-1
 SDG No.: _____
 Sample No.: CCVIS 200-98071/2 Date Analyzed: 12/08/2015 12:06
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17183_02.D Heated Purge: (Y/N) N
 Calibration ID: 32779

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		247868	10.46	1271018	12.46	1137318	18.52
UPPER LIMIT		347015	10.79	1779425	12.79	1592245	18.85
LOWER LIMIT		148721	10.13	762611	12.13	682391	18.19
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-98071/3		267762	10.46	1395691	12.46	1266826	18.52
MB 200-98071/4		283881	10.46	1538440	12.46	1362945	18.52
200-30994-5		2680	262029	10.46	1355743	12.46	1204385

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-31006-1
 SDG No.: _____
 Sample No.: ICIS 200-97280/7 Date Analyzed: 11/19/2015 21:09
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 16909_07.D Heated Purge: (Y/N) N
 Calibration ID: 32779

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	229224	10.46	1195382	12.47	1067534	18.52	
UPPER LIMIT	320914	10.79	1673535	12.80	1494548	18.85	
LOWER LIMIT	137534	10.13	717229	12.14	640520	18.19	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-97280/16		238567	10.46	1262274	12.47	1135546	18.52

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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.: 200-31006-1
 SDG No.: _____
 Sample No.: CCVIS 200-98071/2 Date Analyzed: 12/08/2015 12:06
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17183_02.D Heated Purge: (Y/N) N
 Calibration ID: 32779

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		247868	10.46	1271018	12.46	1137318	18.52
UPPER LIMIT		347015	10.79	1779425	12.79	1592245	18.85
LOWER LIMIT		148721	10.13	762611	12.13	682391	18.19
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-98071/3		267762	10.46	1395691	12.46	1266826	18.52
MB 200-98071/4		283881	10.46	1538440	12.46	1362945	18.52
200-31006-7		5421	255576	10.46	1338687	12.46	1196140

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

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 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: <u>TestAmerica Burlington</u>	Job No.: <u>200-30516-1</u>
SDG No.: _____	
Client Sample ID: <u>4277</u>	Lab Sample ID: <u>200-30516-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>16543_27.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>10/29/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>10/31/2015 07:44</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>96273</u>	Units: <u>ppb v/v</u>

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: <u>TestAmerica Burlington</u>	Job No.: <u>200-30516-1</u>
SDG No.: _____	
Client Sample ID: <u>4277</u>	Lab Sample ID: <u>200-30516-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>16543_27.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>10/29/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>10/31/2015 07:44</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>96273</u>	Units: <u>ppb v/v</u>

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.: 200-30516-1
 SDG No.: _____
 Client Sample ID: 4277 Lab Sample ID: 200-30516-4
 Matrix: Air Lab File ID: 16543_27.d
 Analysis Method: TO-15 Date Collected: 10/29/2015 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 10/31/2015 07:44
 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.: 96273 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\CHW.i\20151030-16543.b\16543_27.d
 Lims ID: 200-30516-A-4 Lab Sample ID: 200-30516-4
 Client ID: 4277
 Sample Type: Client
 Inject. Date: 31-Oct-2015 07:44:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0016543-027
 Misc. Info.: 30516-04
 Operator ID: pad Instrument ID: CHW.i
 Method: \\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\TO15_MasterMethod_(v1).m
 Limit Group: AI_TO15_ICAL
 Last Update: 02-Nov-2015 12:11:58 Calib Date: 27-Oct-2015 10:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20151026-16465.b\16465_18.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK004

First Level Reviewer: daiglep

Date: 02-Nov-2015 12:02:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.308				ND	
2 Dichlorodifluoromethane	85		4.410				ND	
3 Chlorodifluoromethane	51		4.485				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.800				ND	
5 Chloromethane	50		4.993				ND	
6 Butane	43		5.282				ND	
7 Vinyl chloride	62		5.346				ND	
8 Butadiene	54		5.453				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.678				ND	
13 Vinyl bromide	106		7.175				ND	
14 Trichlorofluoromethane	101		7.293				ND	
17 Ethanol	45		7.957				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		8.599				ND	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43		8.946				ND	
23 Carbon disulfide	76	9.171	9.166	0.005	61	3209	0.0582	M
24 Isopropyl alcohol	45	9.240	9.230	0.010	97	2540	0.1275	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49		9.931				ND	
28 2-Methyl-2-propanol	59		10.123				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57		10.856				ND	
34 1,1-Dichloroethane	63		11.429				ND	
35 Vinyl acetate	43		11.477				ND	
37 cis-1,2-Dichloroethene	96		12.616				ND	
38 2-Butanone (MEK)	72		12.654				ND	
39 Ethyl acetate	88		12.664				ND	
* 40 Chlorobromomethane	128	13.103	13.108	-0.005	70	197900	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		13.108				ND	
42 Chloroform	83		13.215				ND	
43 Cyclohexane	84		13.510				ND	
44 1,1,1-Trichloroethane	97		13.531				ND	
45 Carbon tetrachloride	117		13.788				ND	
46 Isooctane	57		14.184				ND	
47 Benzene	78		14.253				ND	
48 1,2-Dichloroethane	62		14.414				ND	
49 n-Heptane	43		14.531				ND	
* 50 1,4-Difluorobenzene	114	15.013	15.018	-0.005	93	913619	10.0	
53 Trichloroethene	95		15.473				ND	
54 1,2-Dichloropropane	63		16.019				ND	
55 Methyl methacrylate	69		16.099				ND	
56 1,4-Dioxane	88		16.190				ND	
57 Dibromomethane	174		16.254				ND	
58 Dichlorobromomethane	83		16.500				ND	
60 cis-1,3-Dichloropropene	75		17.377				ND	
61 4-Methyl-2-pentanone (MIBK)	43		17.618				ND	
65 Toluene	92		17.955				ND	
66 trans-1,3-Dichloropropene	75		18.485				ND	
67 1,1,2-Trichloroethane	83		18.859				ND	
68 Tetrachloroethene	166		18.988				ND	
69 2-Hexanone	43		19.260				ND	
71 Chlorodibromomethane	129		19.614				ND	
72 Ethylene Dibromide	107		19.908				ND	
S 73 Xylenes, Total	106		20.100				ND	
* 74 Chlorobenzene-d5	117	20.726	20.726	0.000	85	843207	10.0	
75 Chlorobenzene	112		20.785				ND	
76 Ethylbenzene	91		20.892				ND	
78 m-Xylene & p-Xylene	106		21.101				ND	
79 o-Xylene	106		21.796				ND	
80 Styrene	104		21.834				ND	
81 Bromoform	173		22.203				ND	
82 Isopropylbenzene	105		22.347				ND	
84 1,1,2,2-Tetrachloroethane	83		22.888				ND	
85 N-Propylbenzene	91		22.968				ND	
88 4-Ethyltoluene	105		23.134				ND	
89 2-Chlorotoluene	91		23.166				ND	
90 1,3,5-Trimethylbenzene	105		23.225				ND	
92 tert-Butylbenzene	119		23.711				ND	
93 1,2,4-Trimethylbenzene	105		23.802				ND	
94 sec-Butylbenzene	105		24.048				ND	
95 4-Isopropyltoluene	119		24.257				ND	
96 1,3-Dichlorobenzene	146		24.327				ND	
97 1,4-Dichlorobenzene	146		24.476				ND	
98 Benzyl chloride	91		24.696				ND	
100 n-Butylbenzene	91		24.915				ND	
101 1,2-Dichlorobenzene	146		25.102				ND	
103 1,2,4-Trichlorobenzene	180		28.125				ND	
104 Hexachlorobutadiene	225		28.339				ND	
105 Naphthalene	128		28.756				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\16543_27.d

Injection Date: 31-Oct-2015 07:44:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 200-30516-A-4

Lab Sample ID: 200-30516-4

Worklist Smp#: 27

Client ID: 4277

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

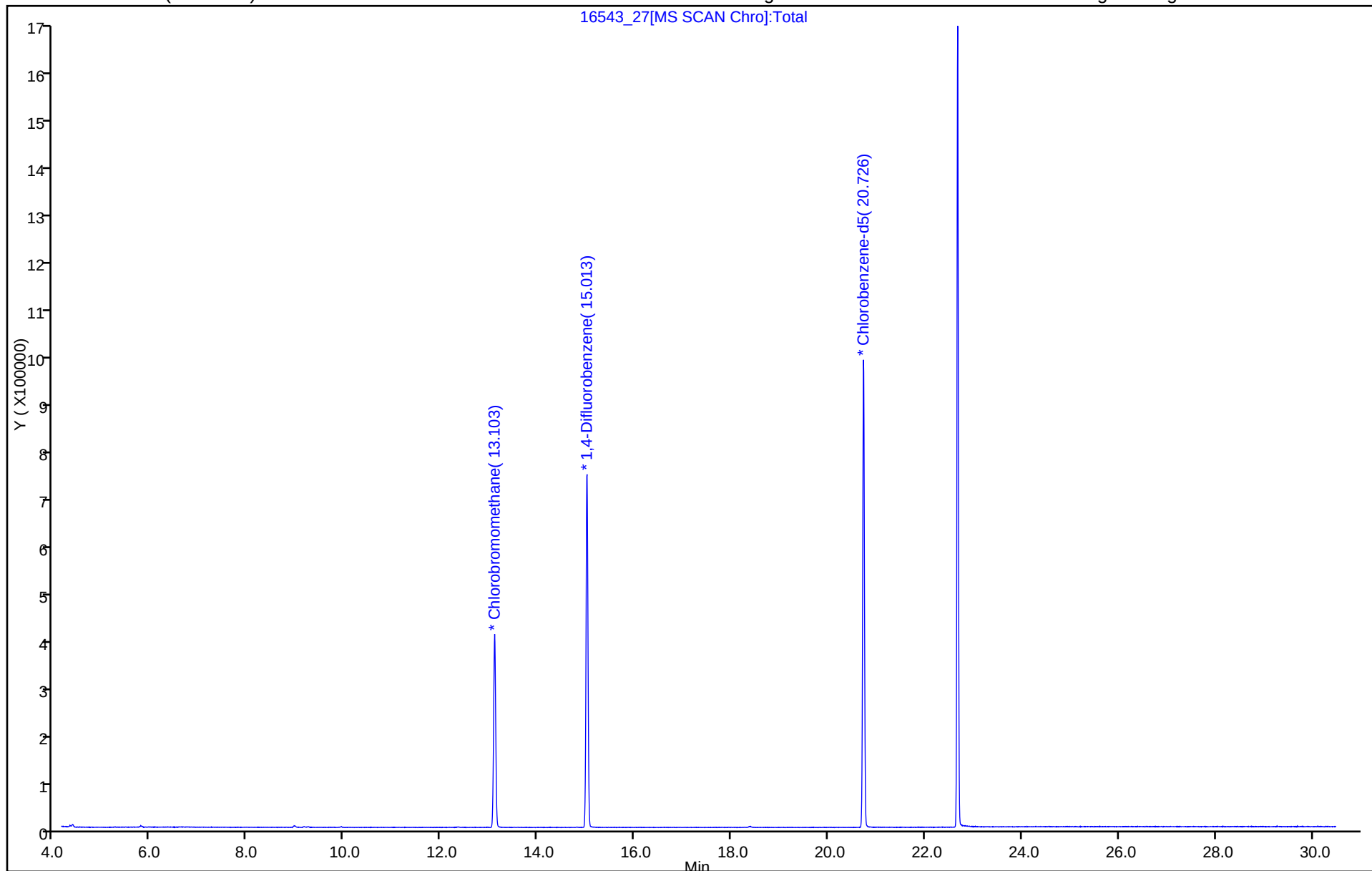
ALS Bottle#: 26

Method: TO15_MasterMethod_(v1)

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



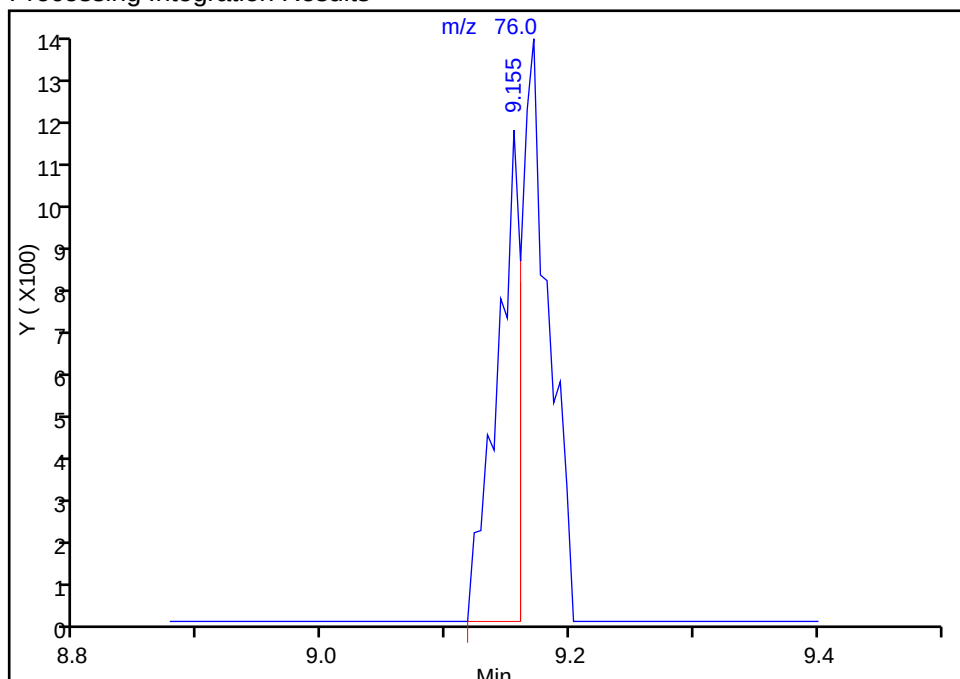
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20151030-16543.b\16543_27.d		
Injection Date:	31-Oct-2015 07:44:30	Instrument ID:	CHW.i
Lims ID:	200-30516-A-4	Lab Sample ID:	200-30516-4
Client ID:	4277		
Operator ID:	pad	ALS Bottle#:	26
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	27

23 Carbon disulfide, CAS: 75-15-0

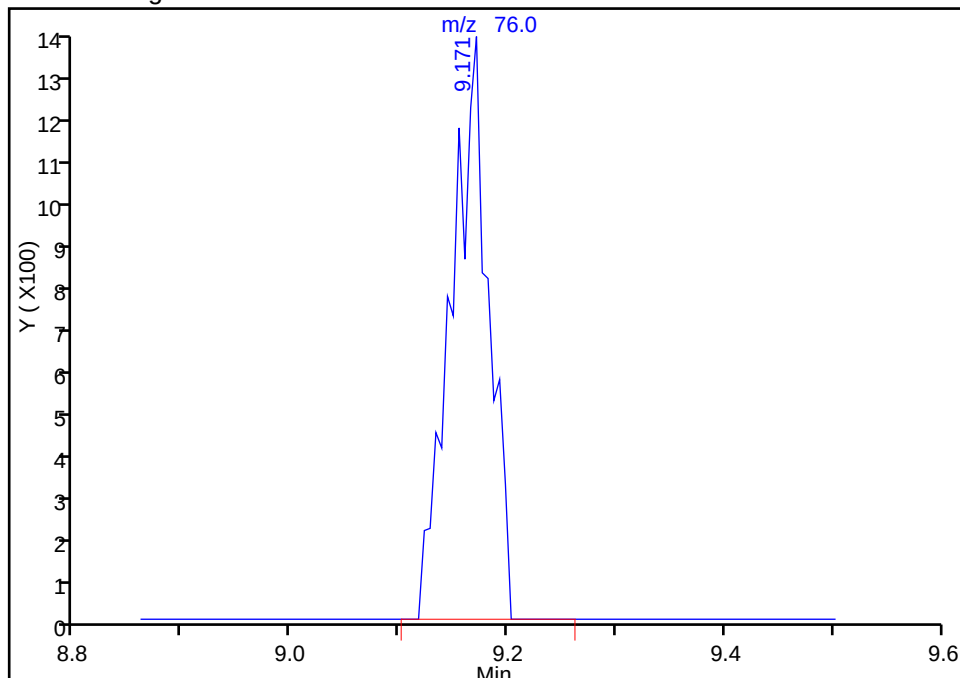
RT: 9.15
Area: 1473
Amount: 0.026696
Amount Units: ppb v/v

Processing Integration Results



RT: 9.17
Area: 3209
Amount: 0.058159
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 02-Nov-2015 12:02:40
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-30994-1</u>
SDG No.: _____	
Client Sample ID: <u>2680</u>	Lab Sample ID: <u>200-30994-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>17183_22.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>11/30/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/09/2015 05:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98071</u>	Units: <u>ppb v/v</u>

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: <u>TestAmerica Burlington</u>	Job No.: <u>200-30994-1</u>
SDG No.: _____	
Client Sample ID: <u>2680</u>	Lab Sample ID: <u>200-30994-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>17183_22.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>11/30/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/09/2015 05:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98071</u>	Units: <u>ppb v/v</u>

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.: 200-30994-1
SDG No.: _____
Client Sample ID: 2680 Lab Sample ID: 200-30994-5
Matrix: Air Lab File ID: 17183_22.D
Analysis Method: TO-15 Date Collected: 11/30/2015 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 12/09/2015 05:19
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.: 98071 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\CHC.i\20151208-17183.b\17183_22.D
 Lims ID: 200-30994-A-5 Lab Sample ID: 200-30994-5
 Client ID: 2680
 Sample Type: Client
 Inject. Date: 09-Dec-2015 05:19:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0017183-022
 Misc. Info.: 30994-05
 Operator ID: pad Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2015 11:36:25 Calib Date: 19-Nov-2015 23:30:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20151119-16909.b\16909_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: desjardinsb

Date: 10-Dec-2015 12:23:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.985				ND	
2 Dichlorodifluoromethane	85		3.060				ND	
3 Chlorodifluoromethane	51		3.113				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327				ND	
5 Chloromethane	50		3.466				ND	
6 Butane	43		3.674				ND	
7 Vinyl chloride	62		3.717				ND	
8 Butadiene	54		3.797				ND	
10 Bromomethane	94		4.496				ND	
11 Chloroethane	64		4.741				ND	
13 Vinyl bromide	106		5.141				ND	
14 Trichlorofluoromethane	101		5.248				ND	
17 Ethanol	45		5.873				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.364				ND	
21 1,1-Dichloroethene	96		6.396				ND	
22 Acetone	43		6.652				ND	
23 Carbon disulfide	76		6.780				ND	
24 Isopropyl alcohol	45		6.977				ND	
25 3-Chloro-1-propene	41		7.212				ND	
27 Methylene Chloride	49	7.516	7.516	0.000	88	2280	0.0686	
28 2-Methyl-2-propanol	59		7.762				ND	
29 Methyl tert-butyl ether	73		7.927				ND	
31 trans-1,2-Dichloroethene	61		7.965				ND	
33 Hexane	57		8.354				ND	
34 1,1-Dichloroethane	63		8.851				ND	
35 Vinyl acetate	43		8.947				ND	
37 cis-1,2-Dichloroethene	96		9.987				ND	
38 2-Butanone (MEK)	72		10.046				ND	
39 Ethyl acetate	88		10.099				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.457	10.462	-0.005	83	262029	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.462				ND	
42 Chloroform	83		10.601				ND	
43 Cyclohexane	84		10.825				ND	
44 1,1,1-Trichloroethane	97		10.868				ND	
45 Carbon tetrachloride	117		11.119				ND	
46 Isooctane	57		11.567				ND	
47 Benzene	78		11.594				ND	
48 1,2-Dichloroethane	62		11.791				ND	
49 n-Heptane	43		11.967				ND	
* 50 1,4-Difluorobenzene	114	12.458	12.464	-0.006	93	1355743	10.0	
53 Trichloroethene	95		12.928				ND	
54 1,2-Dichloropropane	63		13.499				ND	
55 Methyl methacrylate	69		13.686				ND	
56 1,4-Dioxane	88		13.734				ND	
57 Dibromomethane	174		13.761				ND	
58 Dichlorobromomethane	83		14.070				ND	
60 cis-1,3-Dichloropropene	75		15.020				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.314				ND	
65 Toluene	92		15.607				ND	
66 trans-1,3-Dichloropropene	75		16.221				ND	
67 1,1,2-Trichloroethane	83		16.594				ND	
68 Tetrachloroethene	166		16.691				ND	
69 2-Hexanone	43		17.043				ND	
71 Chlorodibromomethane	129		17.358				ND	
72 Ethylene Dibromide	107		17.619				ND	
* 74 Chlorobenzene-d5	117	18.516	18.516	0.000	84	1204385	10.0	
75 Chlorobenzene	112		18.574				ND	
76 Ethylbenzene	91		18.729				ND	
78 m-Xylene & p-Xylene	106		18.980				ND	
79 o-Xylene	106		19.818				ND	
80 Styrene	104		19.871				ND	
S 73 Xylenes, Total	106		20.100				ND	
81 Bromoform	173		20.293				ND	
82 Isopropylbenzene	105		20.501				ND	
84 1,1,2,2-Tetrachloroethane	83		21.158				ND	
85 N-Propylbenzene	91		21.222				ND	
88 4-Ethyltoluene	105		21.408				ND	
89 2-Chlorotoluene	91		21.419				ND	
90 1,3,5-Trimethylbenzene	105		21.515				ND	
92 tert-Butylbenzene	119		22.001				ND	
93 1,2,4-Trimethylbenzene	105		22.097				ND	
94 sec-Butylbenzene	105		22.326				ND	
95 4-Isopropyltoluene	119		22.529				ND	
96 1,3-Dichlorobenzene	146		22.556				ND	
97 1,4-Dichlorobenzene	146		22.695				ND	
98 Benzyl chloride	91		22.887				ND	
100 n-Butylbenzene	91		23.095				ND	
101 1,2-Dichlorobenzene	146		23.218				ND	
103 1,2,4-Trichlorobenzene	180		25.689				ND	
104 Hexachlorobutadiene	225		25.875				ND	
105 Naphthalene	128		26.169				ND	

Reagents:

ATTO15CISs_00007

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\17183_22.D

Injection Date: 09-Dec-2015 05:19:30

Instrument ID: CHC.i

Operator ID: pad

Lims ID: 200-30994-A-5

Lab Sample ID: 200-30994-5

Worklist Smp#: 22

Client ID: 2680

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

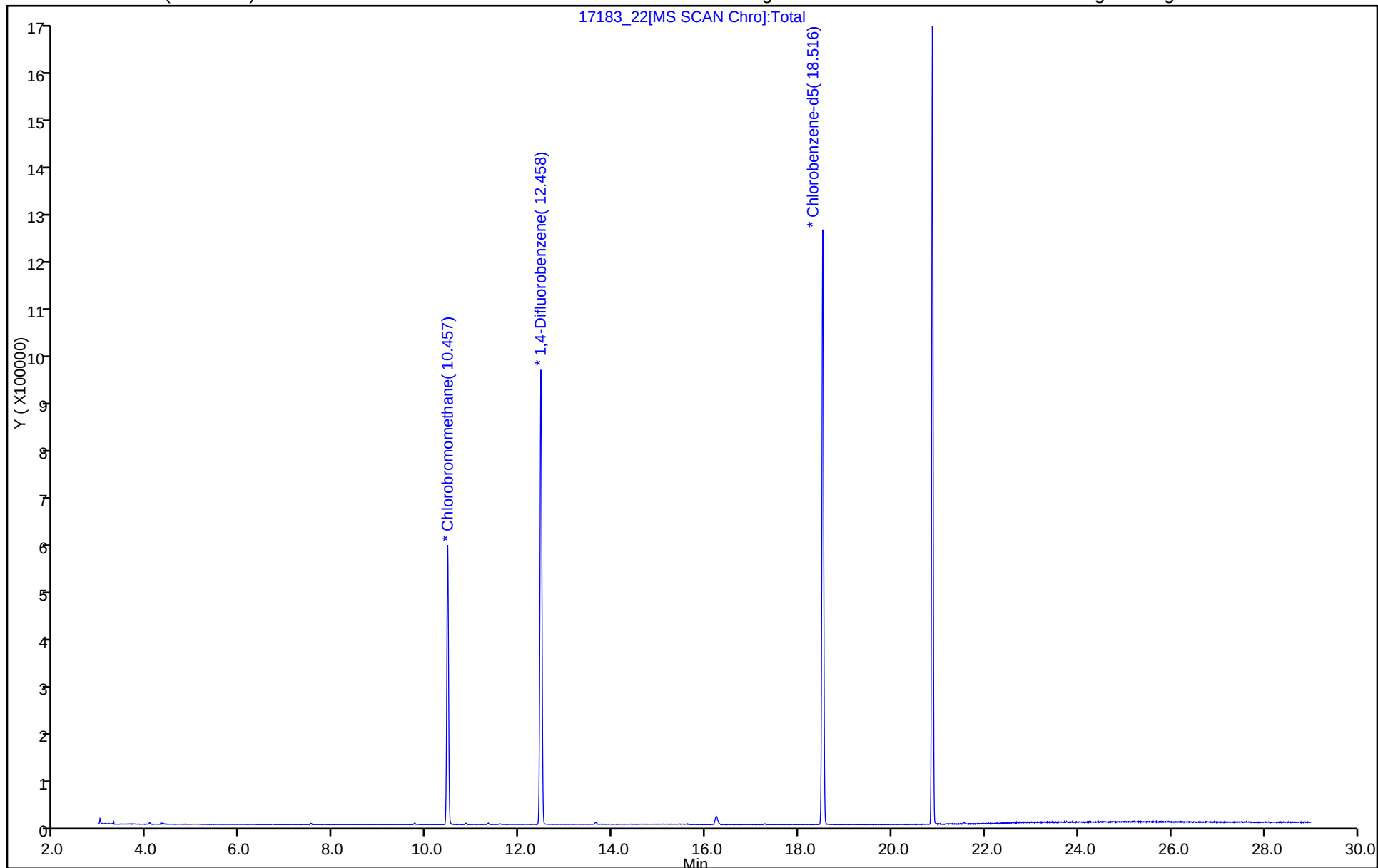
ALS Bottle#: 21

Method: TO15_MasterMethod_(v1)_CHC.i

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: <u>TestAmerica Burlington</u>	Job No.: <u>200-31006-1</u>
SDG No.: _____	
Client Sample ID: <u>5421</u>	Lab Sample ID: <u>200-31006-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>17183_21.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/02/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/09/2015 04:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98071</u>	Units: <u>ppb v/v</u>

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: <u>TestAmerica Burlington</u>	Job No.: <u>200-31006-1</u>
SDG No.: _____	
Client Sample ID: <u>5421</u>	Lab Sample ID: <u>200-31006-7</u>
Matrix: <u>Air</u>	Lab File ID: <u>17183_21.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/02/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/09/2015 04:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>98071</u>	Units: <u>ppb v/v</u>

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.: 200-31006-1
 SDG No.: _____
 Client Sample ID: 5421 Lab Sample ID: 200-31006-7
 Matrix: Air Lab File ID: 17183_21.D
 Analysis Method: TO-15 Date Collected: 12/02/2015 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/09/2015 04:16
 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.: 98071 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\CHC.i\20151208-17183.b\17183_21.D
 Lims ID: 200-31006-A-7 Lab Sample ID: 200-31006-7
 Client ID: 5421
 Sample Type: Client
 Inject. Date: 09-Dec-2015 04:16:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0017183-021
 Misc. Info.: 31006-07
 Operator ID: pad Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2015 11:36:25 Calib Date: 19-Nov-2015 23:30:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20151119-16909.b\16909_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: desjardinsb

Date: 10-Dec-2015 12:23:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.985				ND	
2 Dichlorodifluoromethane	85		3.060				ND	
3 Chlorodifluoromethane	51		3.113				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327				ND	
5 Chloromethane	50	3.471	3.466	0.005	96	1777	0.0659	
6 Butane	43		3.674				ND	
7 Vinyl chloride	62		3.717				ND	
8 Butadiene	54		3.797				ND	
10 Bromomethane	94		4.496				ND	
11 Chloroethane	64		4.741				ND	
13 Vinyl bromide	106		5.141				ND	
14 Trichlorofluoromethane	101		5.248				ND	
17 Ethanol	45		5.873				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.364				ND	
21 1,1-Dichloroethene	96		6.396				ND	
22 Acetone	43		6.652				ND	
23 Carbon disulfide	76		6.780				ND	
24 Isopropyl alcohol	45		6.977				ND	
25 3-Chloro-1-propene	41		7.212				ND	
27 Methylene Chloride	49	7.511	7.516	-0.005	92	2280	0.0703	
28 2-Methyl-2-propanol	59		7.762				ND	
29 Methyl tert-butyl ether	73		7.927				ND	
31 trans-1,2-Dichloroethene	61		7.965				ND	
33 Hexane	57		8.354				ND	
34 1,1-Dichloroethane	63		8.851				ND	
35 Vinyl acetate	43		8.947				ND	
37 cis-1,2-Dichloroethene	96		9.987				ND	
38 2-Butanone (MEK)	72		10.046				ND	
39 Ethyl acetate	88		10.099				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.457	10.462	-0.005	91	255576	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.462				ND	
42 Chloroform	83		10.601				ND	
43 Cyclohexane	84		10.825				ND	
44 1,1,1-Trichloroethane	97		10.868				ND	
45 Carbon tetrachloride	117		11.119				ND	
46 Isooctane	57		11.567				ND	
47 Benzene	78	11.599	11.594	0.005	43	4005	0.0388	M
48 1,2-Dichloroethane	62		11.791				ND	
49 n-Heptane	43		11.967				ND	
* 50 1,4-Difluorobenzene	114	12.458	12.464	-0.006	93	1338687	10.0	
53 Trichloroethene	95		12.928				ND	
54 1,2-Dichloropropane	63		13.499				ND	
55 Methyl methacrylate	69		13.686				ND	
56 1,4-Dioxane	88		13.734				ND	
57 Dibromomethane	174		13.761				ND	
58 Dichlorobromomethane	83		14.070				ND	
60 cis-1,3-Dichloropropene	75		15.020				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.314				ND	
65 Toluene	92		15.607				ND	
66 trans-1,3-Dichloropropene	75		16.221				ND	
67 1,1,2-Trichloroethane	83		16.594				ND	
68 Tetrachloroethene	166		16.691				ND	
69 2-Hexanone	43		17.043				ND	
71 Chlorodibromomethane	129		17.358				ND	
72 Ethylene Dibromide	107		17.619				ND	
* 74 Chlorobenzene-d5	117	18.516	18.516	0.000	84	1196140	10.0	
75 Chlorobenzene	112		18.574				ND	
76 Ethylbenzene	91		18.729				ND	
78 m-Xylene & p-Xylene	106		18.980				ND	
79 o-Xylene	106		19.818				ND	
80 Styrene	104		19.871				ND	
S 73 Xylenes, Total	106		20.100				ND	
81 Bromoform	173		20.293				ND	
82 Isopropylbenzene	105		20.501				ND	
84 1,1,2,2-Tetrachloroethane	83		21.158				ND	
85 N-Propylbenzene	91		21.222				ND	
88 4-Ethyltoluene	105		21.408				ND	
89 2-Chlorotoluene	91		21.419				ND	
90 1,3,5-Trimethylbenzene	105		21.515				ND	
92 tert-Butylbenzene	119		22.001				ND	
93 1,2,4-Trimethylbenzene	105		22.097				ND	
94 sec-Butylbenzene	105		22.326				ND	
95 4-Isopropyltoluene	119		22.529				ND	
96 1,3-Dichlorobenzene	146		22.556				ND	
97 1,4-Dichlorobenzene	146		22.695				ND	
98 Benzyl chloride	91		22.887				ND	
100 n-Butylbenzene	91		23.095				ND	
101 1,2-Dichlorobenzene	146		23.218				ND	
103 1,2,4-Trichlorobenzene	180		25.689				ND	
104 Hexachlorobutadiene	225		25.875				ND	
105 Naphthalene	128		26.169				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15CISs_00007

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\17183_21.D

Injection Date: 09-Dec-2015 04:16:30

Instrument ID: CHC.i

Operator ID: pad

Lims ID: 200-31006-A-7

Lab Sample ID: 200-31006-7

Worklist Smp#: 21

Client ID: 5421

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

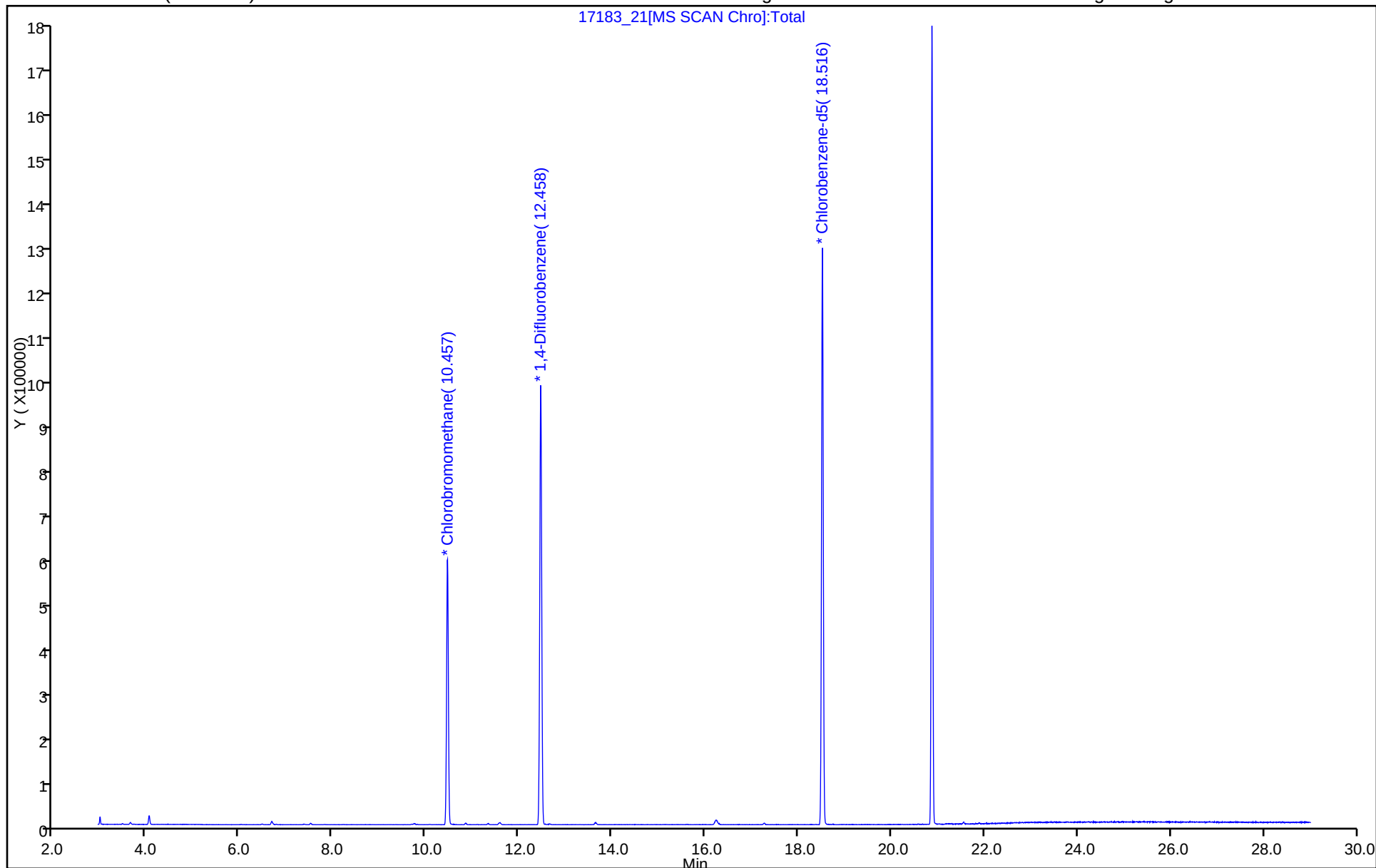
ALS Bottle#: 20

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



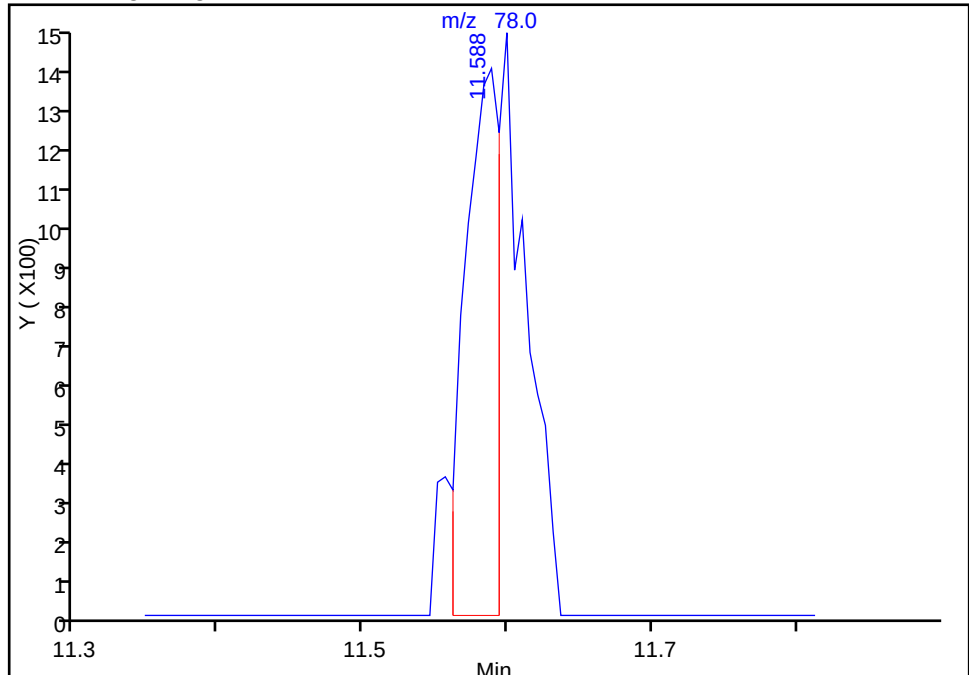
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\17183_21.D		
Injection Date:	09-Dec-2015 04:16:30	Instrument ID:	CHC.i
Lims ID:	200-31006-A-7	Lab Sample ID:	200-31006-7
Client ID:	5421		
Operator ID:	pad	ALS Bottle#:	20
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	21

47 Benzene, CAS: 71-43-2

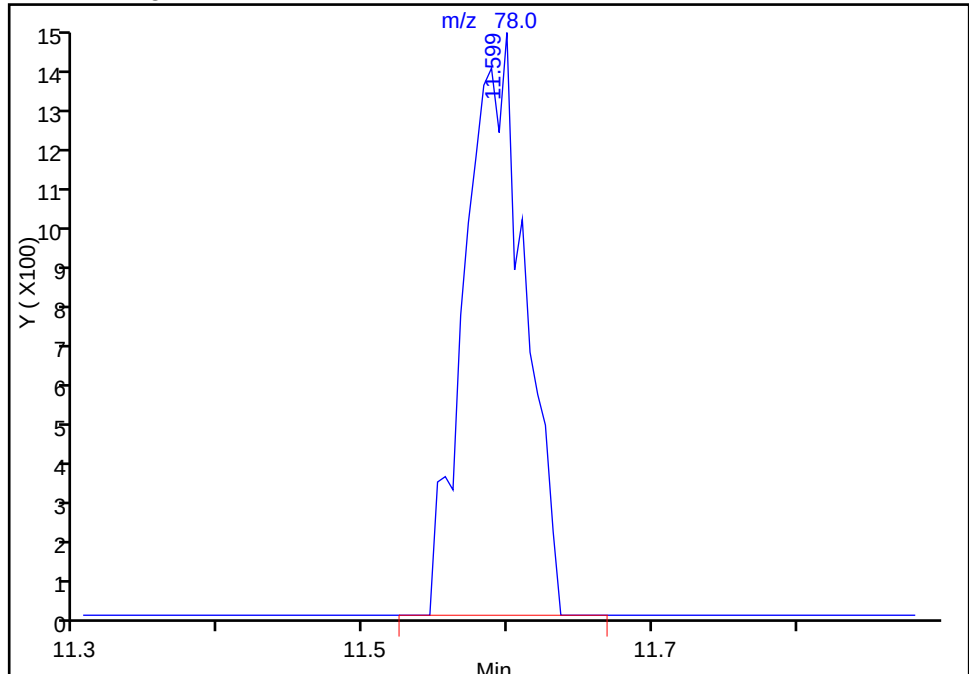
RT: 11.59
Area: 2188
Amount: 0.021219
Amount Units: ppb v/v

Processing Integration Results



RT: 11.60
Area: 4005
Amount: 0.038840
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 09-Dec-2015 15:45:56
Audit Action: Manually Integrated
Audit Reason: Baseline

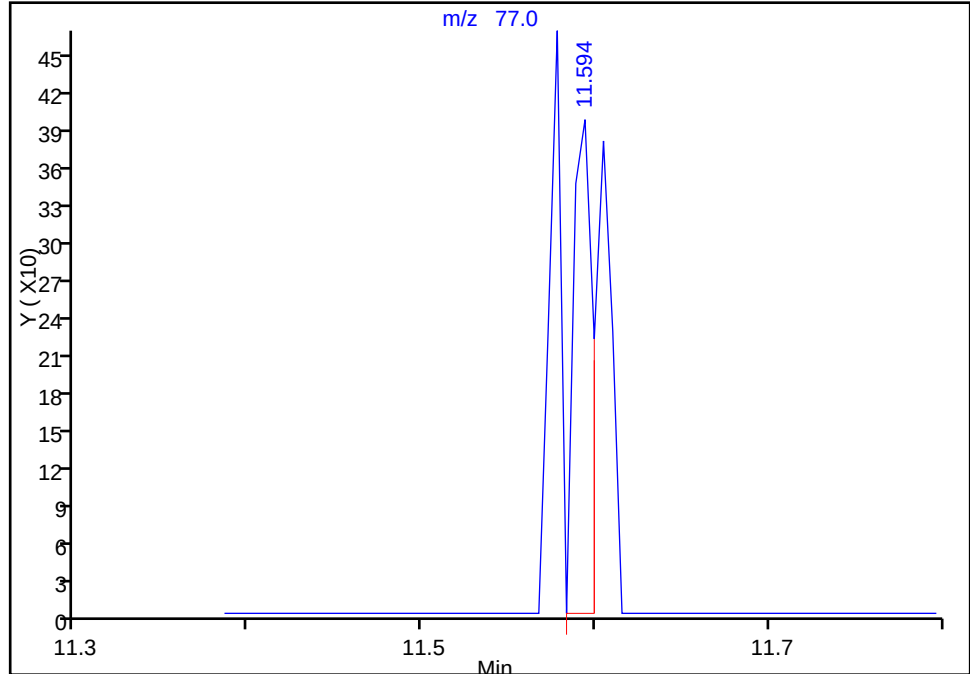
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20151208-17183.b\17183_21.D
Injection Date: 09-Dec-2015 04:16:30 Instrument ID: CHC.i
Lims ID: 200-31006-A-7 Lab Sample ID: 200-31006-7
Client ID: 5421
Operator ID: pad ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

47 Benzene, CAS: 71-43-2

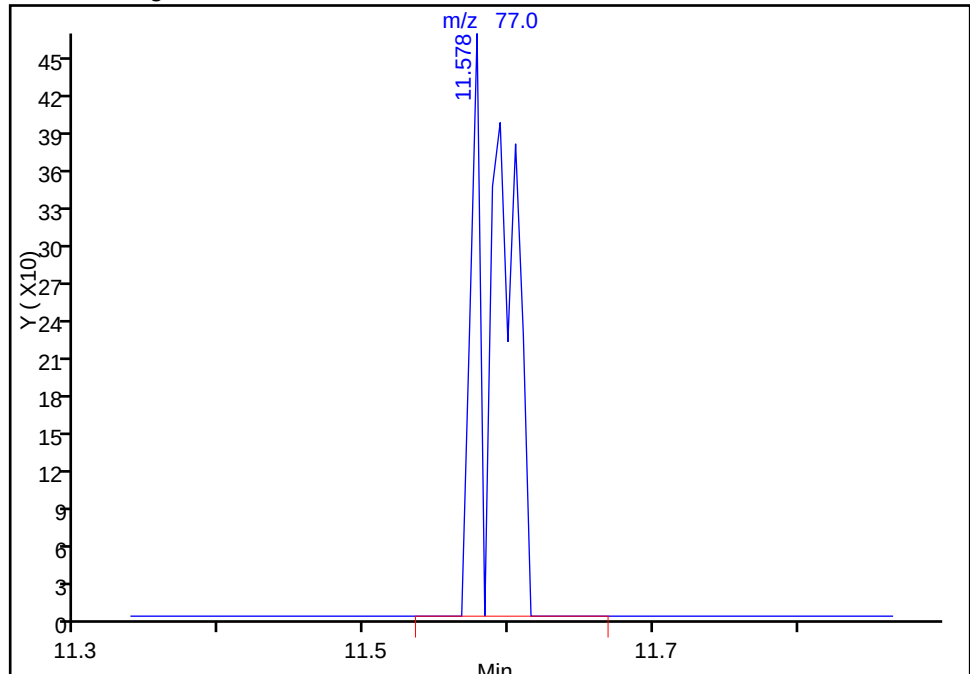
RT: 11.59
Area: 306
Amount: 0.021219
Amount Units: ppb v/v

Processing Integration Results



RT: 11.58
Area: 719
Amount: 0.038840
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 09-Dec-2015 15:45:56

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.: 200-30516-1 Analy Batch No.: 96052

SDG No.: _____

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

Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-96052/3	16465_03.d
Level 2	IC 200-96052/18	16465_18.d
Level 3	IC 200-96052/6	16465_06.d
Level 4	IC 200-96052/7	16465_07.d
Level 5	ICIS 200-96052/8	16465_08.d
Level 6	IC 200-96052/9	16465_09.d
Level 7	IC 200-96052/10	16465_10.d
Level 8	IC 200-96052/17	16465_17.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	+++++	+++++	+++++	0.7091	0.6564	Ave		0.6045				14.2		30.0			
Dichlorodifluoromethane	+++++	+++++	4.9917	4.5879	4.3295	Ave		4.2725				12.1		30.0			
	4.3566	3.6106	3.7590														
Freon 22	+++++	+++++	2.0257	1.8869	1.7380	Ave		1.7098				13.5		30.0			
	1.6890	1.3943	1.5251														
1,2-Dichlorotetrafluoroethane	+++++	2.9256	3.9778	3.5829	3.4333	Ave		3.3061				12.8		30.0			
	3.4603	2.8613	2.9014														
Chloromethane	+++++	+++++	0.9287	0.8018	0.7569	Ave		0.7465				15.2		30.0			
	0.7296	0.6072	0.6547														
n-Butane	+++++	+++++	1.2618	1.2773	1.1804	Ave		1.1101				15.1		30.0			
	1.1305	0.9012	0.9097														
Vinyl chloride	0.7686	0.8270	1.0606	1.0524	0.9895	Ave		0.8996				14.2		30.0			
	0.9512	0.7682	0.7792														
1,3-Butadiene	+++++	0.4972	0.6519	0.6930	0.6642	Ave		0.5943				13.9		30.0			
	0.6243	0.5132	0.5164														
Bromomethane	+++++	0.9290	1.3440	1.1952	1.1113	Ave		1.0601				16.8		30.0			
	1.0939	0.8822	0.8651														
Chloroethane	+++++	+++++	0.6302	0.5598	0.5547	Ave		0.5373				12.8		30.0			
	0.5646	0.4404	0.4743														
Isopentane	+++++	0.8703	1.0109	1.0042	0.9810	Ave		0.9065				12.4		30.0			
	0.9651	0.7423	0.7720														
Bromoethene (Vinyl Bromide)	+++++	1.2567	1.1476	1.2456	1.3090	Ave		1.2771				6.9		30.0			
	1.4425	1.2679	1.2703														
Trichlorofluoromethane	+++++	4.1021	5.2765	4.7687	4.5496	Ave		4.5071				10.3		30.0			
	4.7378	4.0498	4.0649														
n-Pentane	+++++	+++++	1.1089	1.3933	1.3717	Ave		1.2363				11.9		30.0			
	1.3405	1.0760	1.1272														

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.: 200-30516-1 Analy Batch No.: 96052
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.3459	++++ 0.2893	0.4175 0.2764	0.4136	0.3642	Ave		0.3511				17.0		30.0			
Ethyl ether	++++ 0.6960	0.4426 0.5823	0.5222 0.6114	0.6754	0.6845	Ave		0.6020				15.7		30.0			
Acrolein	++++ 0.2108	++++ 0.1937	++++ 0.2032	0.2150	0.2394	Ave		0.2124				8.1		30.0			
Freon TF	++++ 2.8243	2.5378 2.4155	2.9720 2.3582	2.8004	2.7329	Ave		2.6630				8.6		30.0			
1,1-Dichloroethene	++++ 1.2902	1.0323 1.1367	0.9992 1.1284	1.1887	1.2047	Ave		1.1400				8.8		30.0			
Acetone	++++ 1.4374	++++ 1.1514	++++ 1.2015	1.6347	1.4604	Ave		1.3771				14.5		30.0			
Carbon disulfide	++++ 2.9046	++++ 2.4626	3.1516 2.5096	2.8969	2.8033	Ave		2.7881				9.4		30.0			
Isopropyl alcohol	++++ 1.0652	++++ 0.9055	++++ 0.9139	1.0531	1.0944	Ave		1.0064				8.9		30.0			
3-Chloropropene	++++ 0.9324	0.6831 0.7600	0.7141 0.8080	0.8835	0.9388	Ave		0.8171				12.7		30.0			
Acetonitrile	++++ 0.4821	++++ 0.3804	++++ 0.4137	0.5173	0.5219	Ave		0.4631				13.7		30.0			
Methylene Chloride	++++ 0.9754	++++ 0.7914	1.2025 0.8409	1.0848	1.0059	Ave		0.9835				15.5		30.0			
tert-Butyl alcohol	++++ 1.9053	++++ 1.6790	++++ 1.6907	1.6522	1.8300	Ave		1.7514				6.3		30.0			
Methyl tert-butyl ether	++++ 3.7121	2.4227 3.2060	2.0878 3.2945	3.2773	3.5250	Ave		3.0751				19.3		30.0			
trans-1,2-Dichloroethene	++++ 1.6055	1.2646 1.3363	1.4503 1.3537	1.6892	1.6108	Ave		1.4729				11.1		30.0			
Acrylonitrile	++++ 0.6063	++++ 0.5025	0.4889 0.5322	0.6098	0.6106	Ave		0.5584				10.2		30.0			
n-Hexane	++++ 1.4146	0.9808 1.1816	0.8616 1.1981	1.4014	1.4136	Ave		1.2074				18.4		30.0			
1,1-Dichloroethane	1.6666 1.9709	1.6882 1.6524	1.9822 1.7059	2.0002	1.9475	Ave		1.8267				8.8		30.0			
Vinyl acetate	++++ 1.9477	++++ 1.6435	++++ 1.7581	1.8854	1.9717	Ave		1.8413				7.5		30.0			
cis-1,2-Dichloroethene	++++ 1.4218	1.1667 1.2374	1.2773 1.2312	1.2663	1.3037	Ave		1.2721				6.2		30.0			
Methyl Ethyl Ketone	++++ 0.5771	++++ 0.4814	0.8719 0.4688	0.5751	0.5575	Ave		0.5886				24.9		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.: 200-30516-1 Analy Batch No.: 96052
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.1097	++++ 0.0970	++++ 0.0929	0.1036	0.1024	Ave		0.1011				6.4		30.0			
Tetrahydrofuran	++++ 0.1979	++++ 0.1513	++++ 0.1655	0.2055	0.2041	Ave		0.1849				13.4		30.0			
Chloroform	++++ 3.1005	2.6352 2.6372	3.3142 2.6753	3.1483	3.0050	Ave		2.9308				9.5		30.0			
Cyclohexane	++++ 0.3868	0.2596 0.3205	0.2307 0.3177	0.3530	0.3718	Ave		0.3200				18.0		30.0			
1,1,1-Trichloroethane	++++ 0.8588	0.6855 0.7116	0.8265 0.7206	0.8480	0.8325	Ave		0.7834				9.4		30.0			
Carbon tetrachloride	0.7661 0.9585	0.7484 0.8081	0.9091 0.8349	0.9333	0.9249	Ave		0.8604				9.5		30.0			
2,2,4-Trimethylpentane	++++ 1.0746	0.6273 0.8586	0.6036 0.8689	1.0656	1.0734	Ave		0.8817				23.2		30.0			
Benzene	++++ 0.8411	0.7164 0.6931	0.7528 0.6913	0.8604	0.8360	Ave		0.7702				9.6		30.0			
1,2-Dichloroethane	++++ 0.4594	0.3716 0.3763	0.4449 0.3960	0.4672	0.4494	Ave		0.4235				9.6		30.0			
n-Heptane	++++ 0.3475	0.1913 0.2681	0.2125 0.2721	0.3694	0.3580	Ave		0.2884				24.8		30.0			
n-Butanol	++++ 0.1051	++++ 0.0899	++++ 0.0931	0.0940	0.1095	Ave		0.0983				8.6		30.0			
Trichloroethene	0.2912 0.4633	0.3859 0.3875	0.4030 0.3916	0.4394	0.4405	Ave		0.4003				13.2		30.0			
1,2-Dichloropropane	++++ 0.2706	0.1973 0.2204	0.2395 0.2269	0.2717	0.2680	Ave		0.2420				12.0		30.0			
Methyl methacrylate	++++ 0.3013	++++ 0.2482	++++ 0.2544	0.2819	0.2957	Ave		0.2629				14.9		30.0			
1,4-Dioxane	++++ 0.1420	++++ 0.1186	++++ 0.1169	0.1412	0.1411	Ave		0.1320				9.8		30.0			
Dibromomethane	++++ 0.5982	0.5361 0.5119	0.5167 0.5021	0.5363	0.5461	Ave		0.5353				5.9		30.0			
Bromodichloromethane	++++ 0.7939	0.6173 0.6554	0.7496 0.6750	0.7921	0.7828	Ave		0.7237				10.1		30.0			
cis-1,3-Dichloropropene	++++ 0.4926	0.2979 0.4141	0.2761 0.4347	0.4258	0.4644	Ave		0.4008				20.5		30.0			
methyl isobutyl ketone	++++ 0.4844	++++ 0.3765	0.2912 0.3891	0.5039	0.5037	Ave		0.4248				20.4		30.0			
n-Octane	++++ 0.4587	0.2477 0.3456	0.2988 0.3251	0.5351	0.5066	Ave		0.3882				28.6		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.: 200-30516-1 Analy Batch No.: 96052
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	++++ 0.7165	0.5835 0.5889	0.7374 0.5287	0.7450	0.7230	Ave		0.6604				13.6		30.0			
trans-1,3-Dichloropropene	++++ 0.5815	0.3694 0.4796	0.3781 0.4980	0.5328	0.5509	Ave		0.4843				17.1		30.0			
1,1,2-Trichloroethane	++++ 0.3404	0.2734 0.2934	0.3254 0.2800	0.3419	0.3373	Ave		0.3131				9.6		30.0			
Tetrachloroethene	0.5400 0.9059	0.7352 0.7948	0.7088 0.7289	0.7942	0.8278	Ave		0.7544				14.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5102	++++ 0.4070	0.3661 0.3971	0.5227	0.5264	Ave		0.4549				15.9		30.0			
Dibromochloromethane	++++ 1.0447	0.8322 0.9082	0.8801 0.8649	0.9796	1.0023	Ave		0.9303				8.5		30.0			
1,2-Dibromoethane	++++ 0.7614	0.5896 0.6544	0.6148 0.6337	0.7034	0.7239	Ave		0.6687				9.3		30.0			
Chlorobenzene	++++ 1.1203	1.0618 0.9600	1.0896 0.8902	1.0798	1.0768	Ave		1.0398				8.0		30.0			
Ethylbenzene	++++ 1.6969	1.2815 1.4057	1.2812 1.2573	1.6987	1.6946	Ave		1.4737				14.5		30.0			
n-Nonane	++++ 0.5501	0.3857 0.4374	0.4446 0.3852	0.6343	0.5851	Ave		0.4889				20.5		30.0			
m,p-Xylene	++++ 0.6826	0.5371 0.5528	0.5232 0.4754	0.7168	0.6952	Ave		0.5976				16.3		30.0			
Xylene, o-	++++ 0.7109	0.4456 0.5912	0.3780 0.5253	0.6669	0.6903	Ave		0.5726				22.4		30.0			
Styrene	++++ 1.0976	0.7302 0.9057	0.6344 0.8049	1.0999	1.0986	Ave		0.9102				21.3		30.0			
Bromoform	++++ 1.1272	0.9307 0.9871	0.8731 0.8748	1.0666	1.1228	Ave		0.9975				11.0		30.0			
Cumene	++++ 2.1726	1.3997 1.7889	1.2560 1.5705	2.1112	2.1413	Ave		1.7772				21.3		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9772	0.8250 0.7864	0.9816 0.6820	1.0082	0.9695	Ave		0.8900				14.1		30.0			
n-Propylbenzene	++++ 2.5424	1.9196 2.0108	1.7734 1.6657	2.5864	2.5533	Ave		2.1502				18.6		30.0			
1,2,3-Trichloropropane	++++ 0.7949	++++ 0.6317	0.8478 0.5539	0.8495	0.7968	Ave		0.7458				16.5		30.0			
n-Decane	++++ 0.8292	++++ 0.6391	0.6576 0.5365	0.9351	0.8766	Ave		0.7457				21.0		30.0			
4-Ethyltoluene	++++ 2.3445	1.8657 1.8846	1.7843 1.5785	2.3498	2.3253	Ave		2.0190				15.7		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.: 200-30516-1 Analy Batch No.: 96052
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	++++ 1.9418	1.6303 1.5564	1.7105 1.3805	1.9959	1.9244	Ave		1.7343				13.2		30.0			
1,3,5-Trimethylbenzene	++++ 2.0592	1.6049 1.6725	1.5426 1.4563	2.0179	1.9975	Ave		1.7644				14.3		30.0			
Alpha Methyl Styrene	++++ 1.0986	0.6749 0.9091	0.4425 0.8076	0.9546	1.0273	Ave		0.8449				26.7		30.0			
tert-Butylbenzene	++++ 2.0863	1.5285 1.6839	1.2411 1.4563	1.9993	2.0131	Ave		1.7155				19.0		30.0			
1,2,4-Trimethylbenzene	++++ 2.1032	1.5868 1.6857	1.3325 1.4870	2.0524	2.0525	Ave		1.7572				17.7		30.0			
sec-Butylbenzene	++++ 2.9049	2.1876 2.2987	1.9037 1.9353	2.9206	2.8700	Ave		2.4316				18.8		30.0			
4-Isopropyltoluene	++++ 2.6559	1.9049 2.1095	1.5362 1.7974	2.5550	2.6030	Ave		2.1660				20.5		30.0			
1,3-Dichlorobenzene	++++ 1.6671	1.7031 1.3516	1.3071 1.1961	1.5550	1.5810	Ave		1.4801				13.2		30.0			
1,4-Dichlorobenzene	++++ 1.6839	1.6188 1.3761	1.1389 1.2241	1.4883	1.5772	Ave		1.4439				14.2		30.0			
Benzyl chloride	++++ 1.8453	1.1067 1.5273	0.8931 1.4062	1.7247	1.8276	Ave		1.4759				24.8		30.0			
n-Undecane	++++ 0.9038	++++ 0.6756	++++ 0.5653	1.0952	1.0107	Ave		0.8501				26.3		30.0			
n-Butylbenzene	++++ 2.1192	1.9101 1.6406	1.8890 1.3904	2.3612	2.2376	Ave		1.9355				17.6		30.0			
1,2-Dichlorobenzene	++++ 1.6404	1.6518 1.3215	1.2142 1.1876	1.4770	1.5443	Ave		1.4338				13.5		30.0			
n-Dodecane	++++ 0.9157	++++ 0.6512	++++ 0.6175	0.8920	0.9557	Ave		0.8064				19.7		30.0			
1,2,4-Trichlorobenzene	++++ 1.4186	++++ 1.1486	0.5866 1.1823	0.9952	1.2848	Ave		1.1027				26.3		30.0			
Hexachlorobutadiene	++++ 1.4260	1.4212 1.1336	1.0300 1.0449	1.1681	1.3749	Ave		1.2284				14.2		30.0			
Naphthalene	++++ 2.5697	++++ 1.9300	0.9832 2.1756	1.8931	2.3684	Ave		1.9866				27.9		30.0			
1,2,3-Trichlorobenzene	++++ 1.2919	1.6772 1.0192	0.6569 1.0763	0.9338	1.2101	Ave		1.1236				28.4		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-30516-1 Analy Batch No.: 96052

SDG No.: _____

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

Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-96052/3	16465_03.d
Level 2	IC 200-96052/18	16465_18.d
Level 3	IC 200-96052/6	16465_06.d
Level 4	IC 200-96052/7	16465_07.d
Level 5	ICIS 200-96052/8	16465_08.d
Level 6	IC 200-96052/9	16465_09.d
Level 7	IC 200-96052/10	16465_10.d
Level 8	IC 200-96052/17	16465_17.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	++++ 295128	++++ 385986	++++ 764711	89758	194747	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 2090698	++++ 2827841	58089 5236702	580715	1284508	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 810529	++++ 1092059	23574 2124601	238837	515653	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1660554	21582 2240999	46291 4041882	453510	1018626	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 350130	++++ 475603	10808 912009	101487	224549	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 542529	++++ 705788	14684 1267246	161676	350208	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	778 456466	6101 601632	12343 1085463	133213	293573	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 299600	3668 401919	7586 719390	87716	197063	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 524945	6853 690984	15640 1205203	151278	329704	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 270927	++++ 344907	7334 660720	70856	164565	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 463163	6420 581383	11764 1075454	127102	291049	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 692264	9271 993029	13355 1769659	157665	388371	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 2273606	30261 3171854	61404 5662866	603609	1349812	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 643301	++++ 842694	12905 1570320	176360	406981	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 221810	++++ 453160	48644 962705	104767	162152	++++ 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.: 200-30516-1 Analy Batch No.: 96052

SDG No.: _____

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

Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

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	++++ 333989	3265 456058	6077 851708	85487	203094	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 101153	++++ 151704	++++ 283064	27211	71018	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 1355372	18721 1891827	34586 3285154	354463	810831	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 619160	7615 890261	11628 1572029	150458	357427	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 689774	++++ 901772	++++ 1673745	206917	433277	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1393886	++++ 1928739	36676 3496064	366685	831717	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 511198	++++ 709196	++++ 1273184	133302	324682	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 447460	++++ 5039 595262	8310 1125623	111833	278523	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 231376	++++ 297906	++++ 576389	65482	154845	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 468069	++++ 619831	13994 1171390	137313	298445	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 914343	++++ 1315008	++++ 2355258	209129	542947	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1781409	++++ 17872 2510993	24296 4589574	414835	1045822	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 770479	9329 1046577	16877 1885822	213819	477916	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 290973	++++ 393545	5689 741402	77186	181160	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 678851	7235 925440	10027 1669026	177380	419409	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1687 945834	12454 1294164	23067 2376458	253176	577808	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 934705	++++ 1287210	++++ 2449188	238642	584992	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 682324	8607 969173	14864 1715156	160285	386798	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 276954	++++ 377019	10146 653024	72796	165394	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 52656	++++ 75969	++++ 129435	13110	30380	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 420390	++++ 541885	++++ 1038101	115389	266815	++++ 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.: 200-30516-1 Analy Batch No.: 96052

SDG No.: _____

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

Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

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	+++++ 1487879	19440 2065495	38568 3726924	398505	891555	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 821536	8944 1147481	12498 1992902	198161	485971	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1824160	23614 2548186	44775 4520816	476056	1088255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3580 2035950	25781 2893671	49249 5238157	523958	1208912	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2282608	21609 3074351	32698 5451225	598245	1403021	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1786595	24678 2481968	40782 4337089	483051	1092779	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 975725	12801 1347350	24104 2484559	262304	587426	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 738214	6591 960150	11510 1706961	207391	467910	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 223286	+++++ 321855	+++++ 584348	52770	143079	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1361 984067	13292 1387616	21834 2456959	246697	575750	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 574695	6795 789212	12975 1423337	152528	350374	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 640024	+++++ 888745	10621 1596278	158268	386560	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 301671	+++++ 424692	+++++ 733661	79279	184489	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1270667	18468 1833053	27989 3150336	301088	713776	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1686228	21264 2346705	40606 4234613	444686	1023192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1046257	10263 1482758	14959 2727451	239061	607088	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1028960	+++++ 1348145	15773 2441379	282887	658427	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 974250	8532 1237381	16186 2039455	300412	662239	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1466255	18791 1961481	36964 3230713	402160	908315	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1235162	12725 1717545	20482 3124489	299137	720092	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 696503	8804 977353	16315 1710968	184578	423724	+++++ 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.: 200-30516-1 Analy Batch No.: 96052

SDG No.: _____

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

Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

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	2296 1853758	23674 2647266	35531 4454058	428763	1039980	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1043952	++++ 1355752	18353 2426353	282191	661330	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 2137802	26797 3025009	44121 5285332	528826	1259238	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1558061	18985 2179508	30818 3872358	379711	909501	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 2292490	34191 3197619	54621 5440230	582905	1352806	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 3472324	41268 4682002	64227 7683046	917042	2128902	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1125723	12420 1456987	22289 2353695	342437	735120	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2793797	34588 3682439	52455 5810307	773956	1746748	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1454780	14348 1969066	18951 3210115	360003	867237	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 2245975	23515 3016769	31803 4918451	593750	1380161	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 2306591	29971 3287908	43768 5346077	575816	1410605	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 4445769	45073 5958323	62965 9597170	1139748	2690086	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1999588	26566 2619405	49210 4167460	544251	1217963	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 5202557	61814 6697351	88902 10179183	1396269	3207746	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1626568	++++ 2103867	42501 3384545	458604	1001035	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 1696794	++++ 2128579	32965 3278521	504831	1101302	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 4797566	60079 6277216	89446 9646073	1268546	2921288	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 3973538	52499 5184028	85748 8436413	1077486	2417646	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 4213694	51682 5570541	77334 8899319	1089333	2509515	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 2248093	21733 3028095	22181 4935127	515336	1290563	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 4269310	49221 5608591	62218 8899071	1079338	2529091	++++ 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.: 200-30516-1 Analy Batch No.: 96052

SDG No.: _____

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

Calibration Start Date: 10/26/2015 16:59 Calibration End Date: 10/27/2015 10:49 Calibration ID: 32528

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	++++ 4303715	51099 5614577	66801 9087228	1108003	2578627	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 5944261	70446 7656536	95436 11826717	1576692	3605546	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 5434869	61340 7026288	77012 10983840	1379322	3270188	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 3411358	54842 4501918	65528 7309010	839449	1986280	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 3445785	52129 4583472	57094 7480486	803436	1981510	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 3776003	35639 5087052	44773 8593382	931093	2295988	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 1849462	++++ 2250222	++++ 3454283	591235	1269761	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 4336631	61509 5464364	94696 8496718	1274687	2811155	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 3356777	53191 4401532	60870 7257084	797377	1940121	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1873720	++++ 2168819	++++ 3773575	481548	1200714	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 2902824	++++ 3825635	29406 7224777	537245	1614105	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 2918122	45764 3775606	51637 6385433	630610	1727285	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 5258414	++++ 6428208	49287 13295098	1021963	2975406	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 2643536	++++ 3394600	54008 6576938	504108	1520294	++++ 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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97280/3	16909_03.D
Level 2	IC 200-97280/4	16909_04.D
Level 3	IC 200-97280/5	16909_05.D
Level 4	IC 200-97280/6	16909_06.D
Level 5	ICIS 200-97280/7	16909_07.D
Level 6	IC 200-97280/8	16909_08.D
Level 7	IC 200-97280/9	16909_09.D
Level 8	IC 200-97280/10	16909_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.8364	++++ 0.7910	++++ 0.7348	0.8869	0.8432	Ave		0.8185				7.1		30.0			
Dichlorodifluoromethane	++++ 2.9597	++++ 2.7675	2.9961 2.6162	2.9243	2.8747	Ave		2.8564				5.0		30.0			
Freon 22	++++ 1.8182	++++ 1.7153	1.9720 1.6159	1.8295	1.8055	Ave		1.7927				6.7		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.9829	2.6955 2.8352	3.0058 2.7413	2.9140	2.9134	Ave		2.8697				4.1		30.0			
Chloromethane	++++ 1.0719	++++ 1.0143	1.1529 0.9747	1.0643	1.0478	Ave		1.0543				5.7		30.0			
n-Butane	++++ 1.7081	++++ 1.6474	1.7451 1.5687	1.6921	1.7013	Ave		1.6771				3.7		30.0			
Vinyl chloride	1.1509 1.1848	1.1148 1.1498	1.1515 1.1128	1.1196	1.1324	Ave		1.1396				2.1		30.0			
1,3-Butadiene	++++ 0.8581	0.7076 0.8367	0.8503 0.8015	0.8201	0.8430	Ave		0.8168				6.3		30.0			
Bromomethane	++++ 1.1081	0.9391 1.0861	1.0955 1.0476	1.0398	1.0401	Ave		1.0509				5.4		30.0			
Chloroethane	++++ 0.5269	++++ 0.5184	0.5630 0.5058	0.4995	0.4927	Ave		0.5177				4.9		30.0			
Isopentane	++++ 1.0739	1.2777 1.0150	1.1508 0.9815	1.0688	1.0251	Ave		1.0847				9.3		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.1227	0.9728 1.1220	1.0812 1.1030	1.0629	1.0386	Ave		1.0719				5.0		30.0			
Trichlorofluoromethane	++++ 2.7295	2.5446 2.6413	2.7440 2.5775	2.6547	2.5692	Ave		2.6372				3.0		30.0			
n-Pentane	++++ 1.7889	++++ 1.7407	1.8834 1.7018	1.7804	1.6976	Ave		1.7655				3.9		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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.5241	++++ 0.4867	0.5831 0.4727	0.5628	0.5182	Ave		0.5246				8.1		30.0			
Ethyl ether	++++ 0.6897	0.6029 0.6800	0.7006 0.6579	0.6720	0.6388	Ave		0.6631				5.0		30.0			
Acrolein	++++ 0.2867	++++ 0.3224	++++ 0.3224	0.3124	0.2560	Ave		0.3000				9.5		30.0			
Freon TF	++++ 2.1644	1.9124 2.1414	2.1439 2.0971	2.0788	2.0135	Ave		2.0788				4.3		30.0			
1,1-Dichloroethene	++++ 1.0513	1.0585 1.0365	1.0299 1.0262	0.9825	0.9668	Ave		1.0217				3.4		30.0			
Acetone	++++ 1.6710	++++ 1.5517	++++ 1.4333	1.8010	1.6766	Ave		1.6267				8.6		30.0			
Carbon disulfide	++++ 2.9109	++++ 2.8809	3.1378 2.8388	2.7871	2.7110	Ave		2.8778				5.1		30.0			
Isopropyl alcohol	++++ 1.4741	++++ 1.3519	++++ 1.2915	1.4905	1.3729	Ave		1.3962				6.0		30.0			
3-Chloropropene	++++ 1.3119	1.2509 1.2823	1.3159 1.2231	1.3150	1.2426	Ave		1.2774				3.0		30.0			
Acetonitrile	++++ 0.7786	++++ 0.7372	++++ 0.6992	0.7996	0.7747	Ave		0.7579				5.2		30.0			
Methylene Chloride	++++ 1.2553	++++ 1.2135	1.5122 1.1629	1.2646	1.2008	Ave		1.2682				9.9		30.0			
tert-Butyl alcohol	++++ 2.0453	++++ 1.9217	++++ 1.8358	2.0093	1.8663	Ave		1.9357				4.7		30.0			
Methyl tert-butyl ether	++++ 3.0844	2.8185 3.0223	2.9739 2.9419	2.9955	2.8809	Ave		2.9596				3.0		30.0			
trans-1,2-Dichloroethene	++++ 1.6046	1.5349 1.5693	1.6506 1.5331	1.5655	1.5108	Ave		1.5670				3.1		30.0			
Acrylonitrile	++++ 0.7731	++++ 0.7633	0.6802 0.7495	0.7369	0.7284	Ave		0.7386				4.5		30.0			
n-Hexane	++++ 1.6041	1.6547 1.5839	1.5779 1.5486	1.5560	1.5129	Ave		1.5769				2.9		30.0			
1,1-Dichloroethane	1.7846 2.1292	1.9231 2.0888	2.2108 2.0410	2.0593	2.0002	Ave		2.0297				6.4		30.0			
Vinyl acetate	++++ 3.2105	++++ 3.0801	++++ 2.9844	3.1458	3.0424	Ave		3.0926				2.9		30.0			
cis-1,2-Dichloroethene	++++ 1.3292	1.2312 1.3040	1.3508 1.2746	1.2740	1.2351	Ave		1.2856				3.5		30.0			
Methyl Ethyl Ketone	++++ 0.5861	++++ 0.5820	1.2276 0.5622	0.5752	0.5506	Ave		0.6806				39.4	*	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.: 200-30994-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.0939	++++ 0.0932	++++ 0.0912	0.0890	0.0888	Ave		0.0912				2.6		30.0			
Tetrahydrofuran	++++ 0.2812	++++ 0.2678	++++ 0.2596	0.2911	0.2705	Ave		0.2741				4.5		30.0			
Chloroform	++++ 2.5653	2.3050 2.4966	2.5700 2.4425	2.5178	2.4248	Ave		2.4746				3.8		30.0			
Cyclohexane	++++ 0.3220	0.2939 0.3169	0.3140 0.3196	0.3144	0.2994	Ave		0.3115				3.4		30.0			
1,1,1-Trichloroethane	++++ 0.4827	0.4323 0.4654	0.4885 0.4629	0.4775	0.4605	Ave		0.4671				4.0		30.0			
Carbon tetrachloride	0.3972 0.4877	0.4274 0.4707	0.4567 0.4765	0.4816	0.4653	Ave		0.4579				6.7		30.0			
2,2,4-Trimethylpentane	++++ 1.2783	1.1346 1.2624	1.2415 1.2814	1.2343	1.1974	Ave		1.2328				4.2		30.0			
Benzene	++++ 0.7872	0.7595 0.7694	0.7940 0.7820	0.7621	0.7376	Ave		0.7703				2.5		30.0			
1,2-Dichloroethane	++++ 0.3332	0.3072 0.3169	0.3363 0.3124	0.3365	0.3154	Ave		0.3226				3.8		30.0			
n-Heptane	++++ 0.5181	0.5091 0.5005	0.5561 0.4970	0.5093	0.4926	Ave		0.5118				4.2		30.0			
n-Butanol	++++ 0.1459	++++ 0.1358	++++ 0.1401	0.1380	0.1365	Ave		0.1393				2.9		30.0			
Trichloroethene	0.4095 0.3539	0.3184 0.3458	0.3674 0.3525	0.3420	0.3304	Ave		0.3525				7.8		30.0			
1,2-Dichloropropane	++++ 0.3363	0.2971 0.3310	0.3264 0.3360	0.3241	0.3107	Ave		0.3231				4.5		30.0			
Methyl methacrylate	++++ 0.3113	++++ 0.3074	++++ 0.3149	0.2895	0.2829	Ave		0.2968				5.6		30.0			
1,4-Dioxane	++++ 0.1319	++++ 0.1201	++++ 0.1204	0.1290	0.1212	Ave		0.1245				4.4		30.0			
Dibromomethane	++++ 0.3863	0.3404 0.3728	0.3792 0.3812	0.3710	0.3622	Ave		0.3704				4.1		30.0			
Bromodichloromethane	++++ 0.6062	0.5019 0.5892	0.5650 0.6000	0.5867	0.5723	Ave		0.5745				6.1		30.0			
cis-1,3-Dichloropropene	++++ 0.4859	0.4221 0.4805	0.4448 0.4941	0.4551	0.4493	Ave		0.4617				5.6		30.0			
methyl isobutyl ketone	++++ 0.7558	++++ 0.7197	0.7737 0.7222	0.7322	0.7040	Ave		0.7346				3.5		30.0			
Toluene	++++ 0.6997	++++ 0.6402	0.8596 0.6999	0.6744	0.6510	Ave		0.7025				10.4		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.: 200-30994-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	++++ 0.8092	0.7765 0.7829	0.8277 0.7859	0.8019	0.7652	Ave		0.7927				2.7		30.0			
trans-1,3-Dichloropropene	++++ 0.4932	0.4416 0.4835	0.4822 0.4950	0.4669	0.4508	Ave		0.4733				4.4		30.0			
1,1,2-Trichloroethane	++++ 0.3550	0.3069 0.3482	0.3537 0.3531	0.3394	0.3335	Ave		0.3414				5.0		30.0			
Tetrachloroethene	0.6217 0.6407	0.5814 0.6245	0.6398 0.6431	0.6291	0.6073	Ave		0.6234				3.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.8096	++++ 0.7852	0.9796 0.7826	0.7849	0.7562	Ave		0.8164				10.0		30.0			
Dibromochloromethane	++++ 0.6892	0.5543 0.6866	0.5946 0.7124	0.6754	0.6687	Ave		0.6544				8.8		30.0			
1,2-Dibromoethane	++++ 0.6388	0.5356 0.6283	0.5999 0.6550	0.6153	0.6059	Ave		0.6112				6.3		30.0			
Chlorobenzene	++++ 0.9772	0.9082 0.9588	0.9605 0.9985	0.9313	0.9046	Ave		0.9484				3.7		30.0			
Ethylbenzene	++++ 1.5820	1.3788 1.5621	1.4878 1.6213	1.4976	1.4687	Ave		1.5141				5.4		30.0			
n-Nonane	++++ 0.7976	0.7199 0.7962	0.7746 0.8243	0.7697	0.7389	Ave		0.7745				4.6		30.0			
m,p-Xylene	++++ 0.6424	0.5539 0.6296	0.6173 0.6635	0.6161	0.5977	Ave		0.6172				5.7		30.0			
Xylene, o-	++++ 0.6260	0.5562 0.6104	0.6013 0.6337	0.6019	0.5874	Ave		0.6024				4.3		30.0			
Styrene	++++ 0.9992	0.6999 0.9856	0.7463 1.0456	0.9175	0.9070	Ave		0.9002				14.5		30.0			
Bromoform	++++ 0.7025	0.5012 0.7363	0.5271 0.7729	0.6916	0.7092	Ave		0.6630				15.9		30.0			
Cumene	++++ 1.8075	1.4951 1.7802	1.6376 1.8633	1.7196	1.6987	Ave		1.7146				7.1		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9697	0.8259 0.9571	0.8786 0.9981	0.9295	0.9137	Ave		0.9246				6.3		30.0			
n-Propylbenzene	++++ 2.2609	1.8797 2.2420	2.0605 2.2671	2.1349	2.1048	Ave		2.1357				6.5		30.0			
1,2,3-Trichloropropane	++++ 0.7433	++++ 0.7350	0.7238 0.7773	0.7089	0.6973	Ave		0.7310				3.9		30.0			
n-Decane	++++ 1.1070	++++ 1.0917	0.9792 1.0853	1.0341	1.0073	Ave		1.0508				4.9		30.0			
4-Ethyltoluene	++++ 1.8834	1.5461 1.8779	1.7062 1.9205	1.7574	1.7469	Ave		1.7769				7.3		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.: 200-30994-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	++++ 1.5456	1.3008 1.5449	1.4189 1.6301	1.4530	1.4345	Ave		1.4754				7.3		30.0			
1,3,5-Trimethylbenzene	++++ 1.5199	1.2433 1.5078	1.3908 1.5556	1.4343	1.4090	Ave		1.4372				7.3		30.0			
Alpha Methyl Styrene	++++ 0.7972	0.5657 0.7892	0.5124 0.8199	0.7430	0.7297	Ave		0.7081				17.0		30.0			
tert-Butylbenzene	++++ 1.4749	1.1872 1.4414	1.3484 1.4881	1.4050	1.3908	Ave		1.3908				7.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.5598	1.2751 1.5317	1.3919 1.5848	1.4866	1.4324	Ave		1.4661				7.4		30.0			
sec-Butylbenzene	++++ 2.3218	1.9017 2.2656	2.1060 2.2275	2.2071	2.1661	Ave		2.1708				6.3		30.0			
4-Isopropyltoluene	++++ 1.9521	1.5392 1.8600	1.7080 1.9901	1.8519	1.8337	Ave		1.8193				8.4		30.0			
1,3-Dichlorobenzene	++++ 1.1638	0.9344 1.1458	1.0601 1.2236	1.1211	1.0731	Ave		1.1031				8.4		30.0			
1,4-Dichlorobenzene	++++ 1.1400	0.8925 1.1243	1.0297 1.2098	1.1045	1.0471	Ave		1.0783				9.4		30.0			
Benzyl chloride	++++ 1.3193	0.8901 1.3221	0.9195 1.3920	1.2853	1.2501	Ave		1.1969				17.1		30.0			
n-Butylbenzene	++++ 1.7752	1.5351 1.6826	1.6024 1.8771	1.7542	1.6836	Ave		1.7015				6.7		30.0			
n-Undecane	++++ 1.1491	++++ 1.1414	++++ 1.2865	1.1559	0.9957	Ave		1.1457				9.0		30.0			
1,2-Dichlorobenzene	++++ 1.0811	0.8824 1.0465	0.9917 1.1390	1.0552	1.0011	Ave		1.0281				7.9		30.0			
n-Dodecane	++++ 0.9815	++++ 0.8761	++++ 0.9898	0.8862	0.6215	Ave		0.8710				17.1		30.0			
1,2,4-Trichlorobenzene	++++ 0.7867	++++ 0.7478	0.6228 0.9403	0.7143	0.5481	Ave		0.7267				18.7		30.0			
Hexachlorobutadiene	++++ 0.7539	0.6628 0.7343	0.7053 0.8172	0.6716	0.6684	Ave		0.7162				7.9		30.0			
Naphthalene	++++ 1.5116	++++ 1.3548	1.2246 1.9420	1.3172	0.8756	Ave		1.3710				25.6		30.0			
1,2,3-Trichlorobenzene	++++ 0.6491	0.4089 0.6055	0.4937 0.7835	0.5669	0.4658	Ave		0.5676				22.2		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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97280/3	16909_03.D
Level 2	IC 200-97280/4	16909_04.D
Level 3	IC 200-97280/5	16909_05.D
Level 4	IC 200-97280/6	16909_06.D
Level 5	ICIS 200-97280/7	16909_07.D
Level 6	IC 200-97280/8	16909_08.D
Level 7	IC 200-97280/9	16909_09.D
Level 8	IC 200-97280/10	16909_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	++++ 320523	++++ 452643	++++ 945916	95404	193249	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1134283	++++ 1583700	32348 3367885	314557	658815	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 696799	++++ 981574	21291 2080228	196794	413786	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1143140	11768 1622442	32453 3528920	313449	667694	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 410802	++++ 580457	12448 1254728	114482	240138	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 654603	++++ 942738	18841 2019480	182017	389892	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1046 454053	4867 657956	12432 1432573	120429	259520	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 328841	3089 478816	9181 1031729	88220	193199	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 424649	4100 621516	11828 1348554	111846	238361	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 201940	++++ 296670	6079 651149	53733	112909	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 411559	5578 580841	12425 1263479	114967	234923	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 430278	4247 642070	11674 1419961	114333	238021	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1046050	11109 1511500	29626 3318027	285560	588803	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 685590	++++ 996091	20335 2190705	191510	389045	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 268361	++++ 557085	63035 1521188	121157	178230	++++ 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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	++++ 264306	2632 389127	7564 846922	72289	146393	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 109875	++++ 184506	++++ 415040	33606	58665	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 829475	8349 1225419	23147 2699611	223613	461446	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 402890	4621 593147	11120 1321089	105690	221574	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 640385	++++ 887946	++++ 1845143	193730	384247	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1115575	++++ 1648595	33878 3654462	299806	621316	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 564917	++++ 773643	++++ 1662573	160335	314638	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 502757	5461 733804	14207 1574496	141456	284788	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 298396	++++ 421841	++++ 900151	86009	177547	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 481073	++++ 694409	16327 1497001	136032	275198	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 783840	++++ 1099692	++++ 2363272	216133	427711	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1182044	12305 1729474	32109 3787122	322219	660237	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 614927	6701 898055	17821 1973644	168394	346246	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 296274	++++ 436772	7344 964814	79269	166938	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 614767	7224 906391	17036 1993586	167372	346719	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1622 815990	8396 1195337	23870 2627460	221514	458411	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1230392	++++ 1762586	++++ 3841887	338389	697249	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 509389	5375 746215	14584 1640878	137044	283050	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 224601	++++ 333063	13254 723727	61870	126196	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 35987	++++ 53351	++++ 117365	9570	20346	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 563933	++++ 810924	++++ 1739509	161391	323302	++++ 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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	+++++ 983123	10063 1428696	27748 3144325	270831	555706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 645735	6705 959541	17623 2141327	174331	357806	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 967966	9863 1409127	27413 3101583	264743	550357	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1884 977974	9751 1425247	25628 3192595	266998	556081	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2563431	25885 3822682	69672 8585065	684331	1431124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1578672	17328 2329856	44560 5239204	422550	881483	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 668275	7009 959534	18870 2092942	186589	376911	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1039043	11615 1515584	31210 3330201	282344	588716	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 292667	+++++ 411341	+++++ 938837	76486	163092	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1942 709715	7265 1047126	20617 2361416	189629	394852	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 674444	6778 1002228	18317 2251418	179698	371289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 624197	+++++ 930869	15414 2109845	160503	338108	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 264432	+++++ 363564	+++++ 806963	71543	144795	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 774569	7767 1128788	21281 2553741	205674	432909	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1215548	11451 1784128	31710 4020191	325283	684039	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 974407	9630 1454890	24963 3310399	252326	536937	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1515571	+++++ 2179431	43422 4838736	405954	841383	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1267850	12966 1870191	43033 4208127	334473	694816	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1622753	17717 2370672	46447 5265291	444577	914477	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 989084	10076 1464193	27059 3316441	258874	538727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 643179	6217 940269	17706 2123115	168360	355915	+++++ 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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	2581 1160995	11775 1686234	32032 3866575	312022	648183	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1466991	++++ 2119988	49041 4705761	389301	807160	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1248783	11227 1853854	29767 4283407	334965	713739	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1157544	10848 1696513	30031 3938344	305163	646682	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 1770680	18395 2588803	48089 6003979	461897	965478	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 2866666	27926 4217844	74487 9748323	742776	1567607	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1445294	14581 2149826	38780 4956147	381763	788638	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2328011	22437 3400097	61814 7978638	611185	1275814	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1134415	11266 1648184	30102 3810302	298532	626930	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 1810555	14176 2661093	37365 6286842	455082	968046	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1272990	10152 1988169	26390 4647419	343013	756986	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3275170	30282 4806505	81987 11203594	852905	1813044	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1757208	16727 2584219	43985 6001131	460994	975219	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 4096726	38072 6053474	103156 13631401	1058855	2246506	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1346943	++++ 1984586	36238 4673986	351599	744282	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 2005968	++++ 2947586	49021 6525458	512883	1075170	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 3412854	31315 5070286	85417 11547402	871618	1864469	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 2800613	26347 4171204	71035 9801198	720651	1531099	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2754137	25183 4071140	69629 9353352	711362	1503830	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1444626	11457 2130885	25652 4929904	368505	778777	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 2672620	24046 3891862	67508 8947335	696835	1484404	++++ 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.: 200-30994-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	++++ 2826396	25826 4135739	69682 9529274	737335	1528866	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 4207110	38518 6117256	105433 13393152	1094659	2311944	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 3537232	31175 5022025	85510 11965840	918523	1957143	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 2108770	18925 3093633	53073 7356970	556039	1145305	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 2065783	18076 3035609	51551 7274187	547815	1117610	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 2390585	18029 3569816	46032 8369820	637504	1334238	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 3216628	31093 4543212	80222 11286769	870054	1796947	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 2082125	++++ 3081950	++++ 7735553	573315	1062707	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 1958961	17872 2825491	49649 6848787	523369	1068455	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1778436	++++ 2365381	++++ 5951398	439528	663357	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1425528	++++ 2019141	31181 5653803	354257	585002	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1366068	13424 1982570	35310 4913909	333109	713368	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 2739090	++++ 3657902	61308 11676995	653298	934578	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1176188	8282 1634756	24718 4711109	281182	497152	++++ 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.: 200-31006-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97280/3	16909_03.D
Level 2	IC 200-97280/4	16909_04.D
Level 3	IC 200-97280/5	16909_05.D
Level 4	IC 200-97280/6	16909_06.D
Level 5	ICIS 200-97280/7	16909_07.D
Level 6	IC 200-97280/8	16909_08.D
Level 7	IC 200-97280/9	16909_09.D
Level 8	IC 200-97280/10	16909_10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.8364	++++ 0.7910	++++ 0.7348	0.8869	0.8432	Ave		0.8185				7.1		30.0			
Dichlorodifluoromethane	++++ 2.9597	++++ 2.7675	2.9961 2.6162	2.9243	2.8747	Ave		2.8564				5.0		30.0			
Freon 22	++++ 1.8182	++++ 1.7153	1.9720 1.6159	1.8295	1.8055	Ave		1.7927				6.7		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.9829	2.6955 2.8352	3.0058 2.7413	2.9140	2.9134	Ave		2.8697				4.1		30.0			
Chloromethane	++++ 1.0719	++++ 1.0143	1.1529 0.9747	1.0643	1.0478	Ave		1.0543				5.7		30.0			
n-Butane	++++ 1.7081	++++ 1.6474	1.7451 1.5687	1.6921	1.7013	Ave		1.6771				3.7		30.0			
Vinyl chloride	1.1509 1.1848	1.1148 1.1498	1.1515 1.1128	1.1196	1.1324	Ave		1.1396				2.1		30.0			
1,3-Butadiene	++++ 0.8581	0.7076 0.8367	0.8503 0.8015	0.8201	0.8430	Ave		0.8168				6.3		30.0			
Bromomethane	++++ 1.1081	0.9391 1.0861	1.0955 1.0476	1.0398	1.0401	Ave		1.0509				5.4		30.0			
Chloroethane	++++ 0.5269	++++ 0.5184	0.5630 0.5058	0.4995	0.4927	Ave		0.5177				4.9		30.0			
Isopentane	++++ 1.0739	1.2777 1.0150	1.1508 0.9815	1.0688	1.0251	Ave		1.0847				9.3		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.1227	0.9728 1.1220	1.0812 1.1030	1.0629	1.0386	Ave		1.0719				5.0		30.0			
Trichlorofluoromethane	++++ 2.7295	2.5446 2.6413	2.7440 2.5775	2.6547	2.5692	Ave		2.6372				3.0		30.0			
n-Pentane	++++ 1.7889	++++ 1.7407	1.8834 1.7018	1.7804	1.6976	Ave		1.7655				3.9		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.: 200-31006-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	++++ 0.5241	++++ 0.4867	0.5831 0.4727	0.5628	0.5182	Ave		0.5246				8.1		30.0			
Ethyl ether	++++ 0.6897	0.6029 0.6800	0.7006 0.6579	0.6720	0.6388	Ave		0.6631				5.0		30.0			
Acrolein	++++ 0.2867	++++ 0.3224	++++ 0.3224	0.3124	0.2560	Ave		0.3000				9.5		30.0			
Freon TF	++++ 2.1644	1.9124 2.1414	2.1439 2.0971	2.0788	2.0135	Ave		2.0788				4.3		30.0			
1,1-Dichloroethene	++++ 1.0513	1.0585 1.0365	1.0299 1.0262	0.9825	0.9668	Ave		1.0217				3.4		30.0			
Acetone	++++ 1.6710	++++ 1.5517	++++ 1.4333	1.8010	1.6766	Ave		1.6267				8.6		30.0			
Carbon disulfide	++++ 2.9109	++++ 2.8809	3.1378 2.8388	2.7871	2.7110	Ave		2.8778				5.1		30.0			
Isopropyl alcohol	++++ 1.4741	++++ 1.3519	++++ 1.2915	1.4905	1.3729	Ave		1.3962				6.0		30.0			
3-Chloropropene	++++ 1.3119	1.2509 1.2823	1.3159 1.2231	1.3150	1.2426	Ave		1.2774				3.0		30.0			
Acetonitrile	++++ 0.7786	++++ 0.7372	++++ 0.6992	0.7996	0.7747	Ave		0.7579				5.2		30.0			
Methylene Chloride	++++ 1.2553	++++ 1.2135	1.5122 1.1629	1.2646	1.2008	Ave		1.2682				9.9		30.0			
tert-Butyl alcohol	++++ 2.0453	++++ 1.9217	++++ 1.8358	2.0093	1.8663	Ave		1.9357				4.7		30.0			
Methyl tert-butyl ether	++++ 3.0844	2.8185 3.0223	2.9739 2.9419	2.9955	2.8809	Ave		2.9596				3.0		30.0			
trans-1,2-Dichloroethene	++++ 1.6046	1.5349 1.5693	1.6506 1.5331	1.5655	1.5108	Ave		1.5670				3.1		30.0			
Acrylonitrile	++++ 0.7731	++++ 0.7633	0.6802 0.7495	0.7369	0.7284	Ave		0.7386				4.5		30.0			
n-Hexane	++++ 1.6041	1.6547 1.5839	1.5779 1.5486	1.5560	1.5129	Ave		1.5769				2.9		30.0			
1,1-Dichloroethane	1.7846 2.1292	1.9231 2.0888	2.2108 2.0410	2.0593	2.0002	Ave		2.0297				6.4		30.0			
Vinyl acetate	++++ 3.2105	++++ 3.0801	++++ 2.9844	3.1458	3.0424	Ave		3.0926				2.9		30.0			
cis-1,2-Dichloroethene	++++ 1.3292	1.2312 1.3040	1.3508 1.2746	1.2740	1.2351	Ave		1.2856				3.5		30.0			
Methyl Ethyl Ketone	++++ 0.5861	++++ 0.5820	1.2276 0.5622	0.5752	0.5506	Ave		0.6806				39.4	*	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.: 200-31006-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.0939	++++ 0.0932	++++ 0.0912	0.0890	0.0888	Ave		0.0912				2.6		30.0			
Tetrahydrofuran	++++ 0.2812	++++ 0.2678	++++ 0.2596	0.2911	0.2705	Ave		0.2741				4.5		30.0			
Chloroform	++++ 2.5653	2.3050 2.4966	2.5700 2.4425	2.5178	2.4248	Ave		2.4746				3.8		30.0			
Cyclohexane	++++ 0.3220	0.2939 0.3169	0.3140 0.3196	0.3144	0.2994	Ave		0.3115				3.4		30.0			
1,1,1-Trichloroethane	++++ 0.4827	0.4323 0.4654	0.4885 0.4629	0.4775	0.4605	Ave		0.4671				4.0		30.0			
Carbon tetrachloride	0.3972 0.4877	0.4274 0.4707	0.4567 0.4765	0.4816	0.4653	Ave		0.4579				6.7		30.0			
2,2,4-Trimethylpentane	++++ 1.2783	1.1346 1.2624	1.2415 1.2814	1.2343	1.1974	Ave		1.2328				4.2		30.0			
Benzene	++++ 0.7872	0.7595 0.7694	0.7940 0.7820	0.7621	0.7376	Ave		0.7703				2.5		30.0			
1,2-Dichloroethane	++++ 0.3332	0.3072 0.3169	0.3363 0.3124	0.3365	0.3154	Ave		0.3226				3.8		30.0			
n-Heptane	++++ 0.5181	0.5091 0.5005	0.5561 0.4970	0.5093	0.4926	Ave		0.5118				4.2		30.0			
n-Butanol	++++ 0.1459	++++ 0.1358	++++ 0.1401	0.1380	0.1365	Ave		0.1393				2.9		30.0			
Trichloroethene	0.4095 0.3539	0.3184 0.3458	0.3674 0.3525	0.3420	0.3304	Ave		0.3525				7.8		30.0			
1,2-Dichloropropane	++++ 0.3363	0.2971 0.3310	0.3264 0.3360	0.3241	0.3107	Ave		0.3231				4.5		30.0			
Methyl methacrylate	++++ 0.3113	++++ 0.3074	++++ 0.3149	0.2895	0.2829	Ave		0.2968				5.6		30.0			
1,4-Dioxane	++++ 0.1319	++++ 0.1201	++++ 0.1204	0.1290	0.1212	Ave		0.1245				4.4		30.0			
Dibromomethane	++++ 0.3863	0.3404 0.3728	0.3792 0.3812	0.3710	0.3622	Ave		0.3704				4.1		30.0			
Bromodichloromethane	++++ 0.6062	0.5019 0.5892	0.5650 0.6000	0.5867	0.5723	Ave		0.5745				6.1		30.0			
cis-1,3-Dichloropropene	++++ 0.4859	0.4221 0.4805	0.4448 0.4941	0.4551	0.4493	Ave		0.4617				5.6		30.0			
methyl isobutyl ketone	++++ 0.7558	++++ 0.7197	0.7737 0.7222	0.7322	0.7040	Ave		0.7346				3.5		30.0			
Toluene	++++ 0.6997	0.6402 0.6927	0.8596 0.6999	0.6744	0.6510	Ave		0.7025				10.4		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.: 200-31006-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	++++ 0.8092	0.7765 0.7829	0.8277 0.7859	0.8019	0.7652	Ave		0.7927				2.7		30.0			
trans-1,3-Dichloropropene	++++ 0.4932	0.4416 0.4835	0.4822 0.4950	0.4669	0.4508	Ave		0.4733				4.4		30.0			
1,1,2-Trichloroethane	++++ 0.3550	0.3069 0.3482	0.3537 0.3531	0.3394	0.3335	Ave		0.3414				5.0		30.0			
Tetrachloroethene	0.6217 0.6407	0.5814 0.6245	0.6398 0.6431	0.6291	0.6073	Ave		0.6234				3.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.8096	++++ 0.7852	0.9796 0.7826	0.7849	0.7562	Ave		0.8164				10.0		30.0			
Dibromochloromethane	++++ 0.6892	0.5543 0.6866	0.5946 0.7124	0.6754	0.6687	Ave		0.6544				8.8		30.0			
1,2-Dibromoethane	++++ 0.6388	0.5356 0.6283	0.5999 0.6550	0.6153	0.6059	Ave		0.6112				6.3		30.0			
Chlorobenzene	++++ 0.9772	0.9082 0.9588	0.9605 0.9985	0.9313	0.9046	Ave		0.9484				3.7		30.0			
Ethylbenzene	++++ 1.5820	1.3788 1.5621	1.4878 1.6213	1.4976	1.4687	Ave		1.5141				5.4		30.0			
n-Nonane	++++ 0.7976	0.7199 0.7962	0.7746 0.8243	0.7697	0.7389	Ave		0.7745				4.6		30.0			
m,p-Xylene	++++ 0.6424	0.5539 0.6296	0.6173 0.6635	0.6161	0.5977	Ave		0.6172				5.7		30.0			
Xylene, o-	++++ 0.6260	0.5562 0.6104	0.6013 0.6337	0.6019	0.5874	Ave		0.6024				4.3		30.0			
Styrene	++++ 0.9992	0.6999 0.9856	0.7463 1.0456	0.9175	0.9070	Ave		0.9002				14.5		30.0			
Bromoform	++++ 0.7025	0.5012 0.7363	0.5271 0.7729	0.6916	0.7092	Ave		0.6630				15.9		30.0			
Cumene	++++ 1.8075	1.4951 1.7802	1.6376 1.8633	1.7196	1.6987	Ave		1.7146				7.1		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9697	0.8259 0.9571	0.8786 0.9981	0.9295	0.9137	Ave		0.9246				6.3		30.0			
n-Propylbenzene	++++ 2.2609	1.8797 2.2420	2.0605 2.2671	2.1349	2.1048	Ave		2.1357				6.5		30.0			
1,2,3-Trichloropropane	++++ 0.7433	++++ 0.7350	0.7238 0.7773	0.7089	0.6973	Ave		0.7310				3.9		30.0			
n-Decane	++++ 1.1070	++++ 1.0917	0.9792 1.0853	1.0341	1.0073	Ave		1.0508				4.9		30.0			
4-Ethyltoluene	++++ 1.8834	1.5461 1.8779	1.7062 1.9205	1.7574	1.7469	Ave		1.7769				7.3		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.: 200-31006-1 Analy Batch No.: 97280
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	++++ 1.5456	1.3008 1.5449	1.4189 1.6301	1.4530	1.4345	Ave		1.4754				7.3		30.0			
1,3,5-Trimethylbenzene	++++ 1.5199	1.2433 1.5078	1.3908 1.5556	1.4343	1.4090	Ave		1.4372				7.3		30.0			
Alpha Methyl Styrene	++++ 0.7972	0.5657 0.7892	0.5124 0.8199	0.7430	0.7297	Ave		0.7081				17.0		30.0			
tert-Butylbenzene	++++ 1.4749	1.1872 1.4414	1.3484 1.4881	1.4050	1.3908	Ave		1.3908				7.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.5598	1.2751 1.5317	1.3919 1.5848	1.4866	1.4324	Ave		1.4661				7.4		30.0			
sec-Butylbenzene	++++ 2.3218	1.9017 2.2656	2.1060 2.2275	2.2071	2.1661	Ave		2.1708				6.3		30.0			
4-Isopropyltoluene	++++ 1.9521	1.5392 1.8600	1.7080 1.9901	1.8519	1.8337	Ave		1.8193				8.4		30.0			
1,3-Dichlorobenzene	++++ 1.1638	0.9344 1.1458	1.0601 1.2236	1.1211	1.0731	Ave		1.1031				8.4		30.0			
1,4-Dichlorobenzene	++++ 1.1400	0.8925 1.1243	1.0297 1.2098	1.1045	1.0471	Ave		1.0783				9.4		30.0			
Benzyl chloride	++++ 1.3193	0.8901 1.3221	0.9195 1.3920	1.2853	1.2501	Ave		1.1969				17.1		30.0			
n-Butylbenzene	++++ 1.7752	1.5351 1.6826	1.6024 1.8771	1.7542	1.6836	Ave		1.7015				6.7		30.0			
n-Undecane	++++ 1.1491	++++ 1.1414	++++ 1.2865	1.1559	0.9957	Ave		1.1457				9.0		30.0			
1,2-Dichlorobenzene	++++ 1.0811	0.8824 1.0465	0.9917 1.1390	1.0552	1.0011	Ave		1.0281				7.9		30.0			
n-Dodecane	++++ 0.9815	++++ 0.8761	++++ 0.9898	0.8862	0.6215	Ave		0.8710				17.1		30.0			
1,2,4-Trichlorobenzene	++++ 0.7867	++++ 0.7478	0.6228 0.9403	0.7143	0.5481	Ave		0.7267				18.7		30.0			
Hexachlorobutadiene	++++ 0.7539	0.6628 0.7343	0.7053 0.8172	0.6716	0.6684	Ave		0.7162				7.9		30.0			
Naphthalene	++++ 1.5116	++++ 1.3548	1.2246 1.9420	1.3172	0.8756	Ave		1.3710				25.6		30.0			
1,2,3-Trichlorobenzene	++++ 0.6491	0.4089 0.6055	0.4937 0.7835	0.5669	0.4658	Ave		0.5676				22.2		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.: 200-31006-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97280/3	16909_03.D
Level 2	IC 200-97280/4	16909_04.D
Level 3	IC 200-97280/5	16909_05.D
Level 4	IC 200-97280/6	16909_06.D
Level 5	ICIS 200-97280/7	16909_07.D
Level 6	IC 200-97280/8	16909_08.D
Level 7	IC 200-97280/9	16909_09.D
Level 8	IC 200-97280/10	16909_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	++++ 320523	++++ 452643	++++ 945916	95404	193249	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1134283	++++ 1583700	32348 3367885	314557	658815	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 696799	++++ 981574	21291 2080228	196794	413786	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1143140	11768 1622442	32453 3528920	313449	667694	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 410802	++++ 580457	12448 1254728	114482	240138	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 654603	++++ 942738	18841 2019480	182017	389892	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1046 454053	4867 657956	12432 1432573	120429	259520	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 328841	3089 478816	9181 1031729	88220	193199	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 424649	4100 621516	11828 1348554	111846	238361	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 201940	++++ 296670	6079 651149	53733	112909	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 411559	5578 580841	12425 1263479	114967	234923	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 430278	4247 642070	11674 1419961	114333	238021	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1046050	11109 1511500	29626 3318027	285560	588803	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 685590	++++ 996091	20335 2190705	191510	389045	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 268361	++++ 557085	63035 1521188	121157	178230	++++ 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.: 200-31006-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	+++++ 264306	2632 389127	7564 846922	72289	146393	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 109875	+++++ 184506	+++++ 415040	33606	58665	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 829475	8349 1225419	23147 2699611	223613	461446	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 402890	4621 593147	11120 1321089	105690	221574	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 640385	+++++ 887946	+++++ 1845143	193730	384247	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1115575	+++++ 1648595	33878 3654462	299806	621316	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 564917	+++++ 773643	+++++ 1662573	160335	314638	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 502757	5461 733804	14207 1574496	141456	284788	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 298396	+++++ 421841	+++++ 900151	86009	177547	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 481073	+++++ 694409	16327 1497001	136032	275198	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 783840	+++++ 1099692	+++++ 2363272	216133	427711	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1182044	12305 1729474	32109 3787122	322219	660237	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 614927	6701 898055	17821 1973644	168394	346246	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 296274	+++++ 436772	7344 964814	79269	166938	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 614767	7224 906391	17036 1993586	167372	346719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1622 815990	8396 1195337	23870 2627460	221514	458411	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1230392	+++++ 1762586	+++++ 3841887	338389	697249	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 509389	5375 746215	14584 1640878	137044	283050	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 224601	+++++ 333063	13254 723727	61870	126196	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 35987	+++++ 53351	+++++ 117365	9570	20346	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 563933	+++++ 810924	+++++ 1739509	161391	323302	+++++ 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.: 200-31006-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	++++ 983123	10063 1428696	27748 3144325	270831	555706	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 645735	6705 959541	17623 2141327	174331	357806	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 967966	9863 1409127	27413 3101583	264743	550357	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1884 977974	9751 1425247	25628 3192595	266998	556081	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2563431	25885 3822682	69672 8585065	684331	1431124	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 1578672	17328 2329856	44560 5239204	422550	881483	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 668275	7009 959534	18870 2092942	186589	376911	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 1039043	11615 1515584	31210 3330201	282344	588716	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 292667	++++ 411341	++++ 938837	76486	163092	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1942 709715	7265 1047126	20617 2361416	189629	394852	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 674444	6778 1002228	18317 2251418	179698	371289	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 624197	++++ 930869	15414 2109845	160503	338108	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 264432	++++ 363564	++++ 806963	71543	144795	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 774569	7767 1128788	21281 2553741	205674	432909	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 1215548	11451 1784128	31710 4020191	325283	684039	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 974407	9630 1454890	24963 3310399	252326	536937	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 1515571	++++ 2179431	43422 4838736	405954	841383	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 1267850	12966 1870191	43033 4208127	334473	694816	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 1622753	17717 2370672	46447 5265291	444577	914477	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 989084	10076 1464193	27059 3316441	258874	538727	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 643179	6217 940269	17706 2123115	168360	355915	++++ 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.: 200-31006-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	2581 1160995	11775 1686234	32032 3866575	312022	648183	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1466991	++++ 2119988	49041 4705761	389301	807160	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1248783	11227 1853854	29767 4283407	334965	713739	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1157544	10848 1696513	30031 3938344	305163	646682	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 1770680	18395 2588803	48089 6003979	461897	965478	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 2866666	27926 4217844	74487 9748323	742776	1567607	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1445294	14581 2149826	38780 4956147	381763	788638	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2328011	22437 3400097	61814 7978638	611185	1275814	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1134415	11266 1648184	30102 3810302	298532	626930	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 1810555	14176 2661093	37365 6286842	455082	968046	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1272990	10152 1988169	26390 4647419	343013	756986	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3275170	30282 4806505	81987 11203594	852905	1813044	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1757208	16727 2584219	43985 6001131	460994	975219	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 4096726	38072 6053474	103156 13631401	1058855	2246506	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1346943	++++ 1984586	36238 4673986	351599	744282	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 2005968	++++ 2947586	49021 6525458	512883	1075170	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 3412854	31315 5070286	85417 11547402	871618	1864469	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 2800613	26347 4171204	71035 9801198	720651	1531099	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2754137	25183 4071140	69629 9353352	711362	1503830	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1444626	11457 2130885	25652 4929904	368505	778777	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 2672620	24046 3891862	67508 8947335	696835	1484404	++++ 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.: 200-31006-1 Analy Batch No.: 97280

SDG No.: _____

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

Calibration Start Date: 11/19/2015 18:00 Calibration End Date: 11/19/2015 23:30 Calibration ID: 32779

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	++++ 2826396	25826 4135739	69682 9529274	737335	1528866	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 4207110	38518 6117256	105433 13393152	1094659	2311944	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 3537232	31175 5022025	85510 11965840	918523	1957143	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 2108770	18925 3093633	53073 7356970	556039	1145305	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 2065783	18076 3035609	51551 7274187	547815	1117610	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 2390585	18029 3569816	46032 8369820	637504	1334238	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 3216628	31093 4543212	80222 11286769	870054	1796947	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 2082125	++++ 3081950	++++ 7735553	573315	1062707	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 1958961	17872 2825491	49649 6848787	523369	1068455	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1778436	++++ 2365381	++++ 5951398	439528	663357	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1425528	++++ 2019141	31181 5653803	354257	585002	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1366068	13424 1982570	35310 4913909	333109	713368	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 2739090	++++ 3657902	61308 11676995	653298	934578	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1176188	8282 1634756	24718 4711109	281182	497152	++++ 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.: 200-30516-1

SDG No.: _____

Lab Sample ID: ICV 200-96052/21 Calibration Date: 10/27/2015 13:17

Instrument ID: CHW.i Calib Start Date: 10/26/2015 16:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/27/2015 10:49

Lab File ID: 16465_21.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	0.6045	0.5424		8.97	10.0	-10.3	30.0
Dichlorodifluoromethane	Ave	4.273	3.780		8.85	10.0	-11.5	30.0
Freon 22	Ave	1.710	1.522		8.90	10.0	-11.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.306	3.376		10.2	10.0	2.1	30.0
Chloromethane	Ave	0.7465	0.6348		8.50	10.0	-15.0	30.0
n-Butane	Ave	1.110	1.020		9.18	10.0	-8.2	30.0
Vinyl chloride	Ave	0.8996	0.8231		9.15	10.0	-8.5	30.0
1,3-Butadiene	Ave	0.5943	0.5437		9.15	10.0	-8.5	30.0
Bromomethane	Ave	1.060	0.9648		9.10	10.0	-9.0	30.0
Chloroethane	Ave	0.5373	0.4531		8.43	10.0	-15.7	30.0
Isopentane	Ave	0.9065	0.8991		9.92	10.0	-0.8	30.0
Bromoethene (Vinyl Bromide)	Ave	1.277	1.183		9.26	10.0	-7.4	30.0
Trichlorofluoromethane	Ave	4.507	4.091		9.08	10.0	-9.2	30.0
n-Pentane	Ave	1.236	1.311		10.6	10.0	6.1	30.0
Ethanol	Ave	0.3511	0.4136		17.7	15.0	17.8	30.0
Ethyl ether	Ave	0.6020	0.6671		11.1	10.0	10.8	30.0
Acrolein	Ave	0.2124	0.2647		12.5	10.0	24.6	30.0
Freon TF	Ave	2.663	2.486		9.33	10.0	-6.7	30.0
1,1-Dichloroethene	Ave	1.140	1.090		9.56	10.0	-4.4	30.0
Acetone	Ave	1.377	1.436		10.4	10.0	4.3	30.0
Carbon disulfide	Ave	2.788	2.925		10.5	10.0	4.9	30.0
Isopropyl alcohol	Ave	1.006	1.032		10.3	10.0	2.6	30.0
3-Chloropropene	Ave	0.8171	0.8369		10.2	10.0	2.4	30.0
Acetonitrile	Ave	0.4631	0.5133		11.1	10.0	10.8	30.0
Methylene Chloride	Ave	0.9835	0.9005		9.15	10.0	-8.4	30.0
tert-Butyl alcohol	Ave	1.751	1.801		10.3	10.0	2.8	30.0
Methyl tert-butyl ether	Ave	3.075	3.131		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.473	1.512		10.3	10.0	2.7	30.0
Acrylonitrile	Ave	0.5584	0.5753		10.3	10.0	3.0	30.0
n-Hexane	Ave	1.207	1.344		11.1	10.0	11.3	30.0
1,1-Dichloroethane	Ave	1.827	1.779		9.74	10.0	-2.6	30.0
Vinyl acetate	Ave	1.841	1.801		9.78	10.0	-2.2	30.0
cis-1,2-Dichloroethene	Ave	1.272	1.189		9.35	10.0	-6.5	30.0
Methyl Ethyl Ketone	Ave	0.5886	0.5295		8.99	10.0	-10.0	30.0
Ethyl acetate	Ave	0.1011	0.1033		10.2	10.0	2.1	30.0
Tetrahydrofuran	Ave	0.1849	0.1804		9.76	10.0	-2.4	30.0
Chloroform	Ave	2.931	2.745		9.37	10.0	-6.3	30.0
Cyclohexane	Ave	0.3200	0.3323		10.4	10.0	3.9	30.0
1,1,1-Trichloroethane	Ave	0.7834	0.7397		9.44	10.0	-5.6	30.0
Carbon tetrachloride	Ave	0.8604	0.8323		9.67	10.0	-3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Lab Sample ID: ICV 200-96052/21 Calibration Date: 10/27/2015 13:17
 Instrument ID: CHW.i Calib Start Date: 10/26/2015 16:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/27/2015 10:49
 Lab File ID: 16465_21.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	0.8817	0.9371		10.6	10.0	6.3	30.0
Benzene	Ave	0.7702	0.7360		9.55	10.0	-4.4	30.0
1,2-Dichloroethane	Ave	0.4235	0.4025		9.50	10.0	-5.0	30.0
n-Heptane	Ave	0.2884	0.3080		10.7	10.0	6.8	30.0
n-Butanol	Ave	0.0983	0.1285		13.1	10.0	30.7*	30.0
Trichloroethene	Ave	0.4003	0.3965		9.90	10.0	-0.9	30.0
1,2-Dichloropropane	Ave	0.2420	0.2306		9.53	10.0	-4.7	30.0
Methyl methacrylate	Ave	0.2629	0.2660		10.1	10.0	1.2	30.0
1,4-Dioxane	Ave	0.1320	0.1570		11.9	10.0	19.0	30.0
Dibromomethane	Ave	0.5353	0.4912		9.17	10.0	-8.3	30.0
Bromodichloromethane	Ave	0.7237	0.6858		9.47	10.0	-5.2	30.0
cis-1,3-Dichloropropene	Ave	0.4008	0.4241		10.6	10.0	5.8	30.0
methyl isobutyl ketone	Ave	0.4248	0.4403		10.4	10.0	3.6	30.0
n-Octane	Ave	0.3882	0.4304		11.1	10.0	10.9	30.0
Toluene	Ave	0.6604	0.6437		9.75	10.0	-2.5	30.0
trans-1,3-Dichloropropene	Ave	0.4843	0.4969		10.3	10.0	2.6	30.0
1,1,2-Trichloroethane	Ave	0.3131	0.3008		9.60	10.0	-3.9	30.0
Tetrachloroethene	Ave	0.7544	0.7535		9.99	10.0	-0.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4549	0.4753		10.4	10.0	4.5	30.0
Dibromochloromethane	Ave	0.9303	0.8673		9.32	10.0	-6.8	30.0
1,2-Dibromoethane	Ave	0.6687	0.6500		9.72	10.0	-2.8	30.0
Chlorobenzene	Ave	1.040	0.9584		9.22	10.0	-7.8	30.0
Ethylbenzene	Ave	1.474	1.466		9.95	10.0	-0.5	30.0
n-Nonane	Ave	0.4889	0.5024		10.3	10.0	2.8	30.0
m,p-Xylene	Ave	0.5976	0.6045		20.2	20.0	1.2	30.0
Xylene, o-	Ave	0.5726	0.6013		10.5	10.0	5.0	30.0
Styrene	Ave	0.9102	0.9535		10.5	10.0	4.8	30.0
Bromoform	Ave	0.997	0.9879		9.90	10.0	-1.0	30.0
Cumene	Ave	1.777	1.906		10.7	10.0	7.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8900	0.8831		9.92	10.0	-0.8	30.0
n-Propylbenzene	Ave	2.150	2.244		10.4	10.0	4.4	30.0
1,2,3-Trichloropropane	Ave	0.7458	0.6917		9.27	10.0	-7.2	30.0
n-Decane	Ave	0.7457	0.7650		10.3	10.0	2.6	30.0
4-Ethyltoluene	Ave	2.019	2.078		10.3	10.0	2.9	30.0
2-Chlorotoluene	Ave	1.734	1.671		9.63	10.0	-3.6	30.0
1,3,5-Trimethylbenzene	Ave	1.764	1.751		9.92	10.0	-0.8	30.0
Alpha Methyl Styrene	Ave	0.8449	0.9198		10.9	10.0	8.9	30.0
tert-Butylbenzene	Ave	1.716	1.758		10.2	10.0	2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.757	1.770		10.1	10.0	0.8	30.0
sec-Butylbenzene	Ave	2.432	2.505		10.3	10.0	3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Lab Sample ID: ICV 200-96052/21 Calibration Date: 10/27/2015 13:17
 Instrument ID: CHW.i Calib Start Date: 10/26/2015 16:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/27/2015 10:49
 Lab File ID: 16465_21.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	2.166	2.272		10.5	10.0	4.9	30.0
1,3-Dichlorobenzene	Ave	1.480	1.389		9.38	10.0	-6.2	30.0
1,4-Dichlorobenzene	Ave	1.444	1.377		9.53	10.0	-4.6	30.0
Benzyl chloride	Ave	1.476	1.522		10.3	10.0	3.1	30.0
n-Undecane	Ave	0.8501	0.8738		10.3	10.0	2.8	30.0
n-Butylbenzene	Ave	1.935	1.918		9.91	10.0	-0.9	30.0
1,2-Dichlorobenzene	Ave	1.434	1.352		9.43	10.0	-5.7	30.0
n-Dodecane	Ave	0.8064	0.8289		10.3	10.0	2.8	30.0
1,2,4-Trichlorobenzene	Ave	1.103	1.093		9.91	10.0	-0.9	30.0
Hexachlorobutadiene	Ave	1.228	1.207		9.83	10.0	-1.7	30.0
Naphthalene	Ave	1.987	1.903		9.58	10.0	-4.2	30.0
1,2,3-Trichlorobenzene	Ave	1.124	0.995		8.86	10.0	-11.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-96273/3 Calibration Date: 10/30/2015 11:57
 Instrument ID: CHW.i Calib Start Date: 10/26/2015 16:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/27/2015 10:49
 Lab File ID: 16543_03.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	0.6045	0.5715		9.45	10.0	-5.5	30.0
Dichlorodifluoromethane	Ave	4.273	4.152		9.72	10.0	-2.8	30.0
Freon 22	Ave	1.710	1.577		9.22	10.0	-7.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.306	3.239		9.80	10.0	-2.0	30.0
Chloromethane	Ave	0.7465	0.6645		8.90	10.0	-11.0	30.0
n-Butane	Ave	1.110	1.040		9.37	10.0	-6.3	30.0
Vinyl chloride	Ave	0.8996	0.8894		9.88	10.0	-1.1	30.0
1,3-Butadiene	Ave	0.5943	0.5861		9.86	10.0	-1.4	30.0
Bromomethane	Ave	1.060	1.038		9.79	10.0	-2.1	30.0
Chloroethane	Ave	0.5373	0.4720		8.78	10.0	-12.1	30.0
Isopentane	Ave	0.9065	0.8636		9.52	10.0	-4.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.277	1.328		10.4	10.0	4.0	30.0
Trichlorofluoromethane	Ave	4.507	4.503		9.99	10.0	-0.0	30.0
n-Pentane	Ave	1.236	1.217		9.84	10.0	-1.6	30.0
Ethanol	Ave	0.3511	0.3245		13.9	15.0	-7.6	30.0
Ethyl ether	Ave	0.6020	0.5701		9.47	10.0	-5.3	30.0
Acrolein	Ave	0.2124	0.2060		9.70	10.0	-3.0	30.0
Freon TF	Ave	2.663	2.644		9.93	10.0	-0.7	30.0
1,1-Dichloroethene	Ave	1.140	1.182		10.4	10.0	3.7	30.0
Acetone	Ave	1.377	1.170		8.50	10.0	-15.0	30.0
Carbon disulfide	Ave	2.788	2.646		9.49	10.0	-5.1	30.0
Isopropyl alcohol	Ave	1.006	1.007		10.0	10.0	0.0	30.0
3-Chloropropene	Ave	0.8171	0.8485		10.4	10.0	3.8	30.0
Acetonitrile	Ave	0.4631	0.4051		8.75	10.0	-12.5	30.0
Methylene Chloride	Ave	0.9835	0.9025		9.17	10.0	-8.2	30.0
tert-Butyl alcohol	Ave	1.751	1.792		10.2	10.0	2.3	30.0
Methyl tert-butyl ether	Ave	3.075	2.921		9.50	10.0	-5.0	30.0
trans-1,2-Dichloroethene	Ave	1.473	1.470		9.98	10.0	-0.2	30.0
Acrylonitrile	Ave	0.5584	0.5080		9.10	10.0	-9.0	30.0
n-Hexane	Ave	1.207	1.291		10.7	10.0	6.9	30.0
1,1-Dichloroethane	Ave	1.827	1.820		9.96	10.0	-0.4	30.0
Vinyl acetate	Ave	1.841	1.588		8.62	10.0	-13.8	30.0
cis-1,2-Dichloroethene	Ave	1.272	1.276		10.0	10.0	0.3	30.0
Methyl Ethyl Ketone	Ave	0.5886	0.4755		8.08	10.0	-19.2	30.0
Ethyl acetate	Ave	0.1011	0.0885		8.75	10.0	-12.5	30.0
Tetrahydrofuran	Ave	0.1849	0.1589		8.59	10.0	-14.1	30.0
Chloroform	Ave	2.931	2.849		9.72	10.0	-2.8	30.0
Cyclohexane	Ave	0.3200	0.3460		10.8	10.0	8.1	30.0
1,1,1-Trichloroethane	Ave	0.7834	0.7899		10.1	10.0	0.8	30.0
Carbon tetrachloride	Ave	0.8604	0.8900		10.3	10.0	3.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30516-1

SDG No.: _____

Lab Sample ID: CCVIS 200-96273/3 Calibration Date: 10/30/2015 11:57

Instrument ID: CHW.i Calib Start Date: 10/26/2015 16:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/27/2015 10:49

Lab File ID: 16543_03.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	0.8817	0.9331		10.6	10.0	5.8	30.0
Benzene	Ave	0.7702	0.7556		9.81	10.0	-1.9	30.0
1,2-Dichloroethane	Ave	0.4235	0.4187		9.88	10.0	-1.2	30.0
n-Heptane	Ave	0.2884	0.3008		10.4	10.0	4.3	30.0
n-Butanol	Ave	0.0983	0.1012		10.3	10.0	2.9	30.0
Trichloroethene	Ave	0.4003	0.4083		10.2	10.0	2.0	30.0
1,2-Dichloropropane	Ave	0.2420	0.2334		9.64	10.0	-3.6	30.0
Methyl methacrylate	Ave	0.2629	0.2445		9.30	10.0	-7.0	30.0
1,4-Dioxane	Ave	0.1320	0.1324		10.0	10.0	0.3	30.0
Dibromomethane	Ave	0.5353	0.5250		9.80	10.0	-1.9	30.0
Bromodichloromethane	Ave	0.7237	0.6961		9.62	10.0	-3.8	30.0
cis-1,3-Dichloropropene	Ave	0.4008	0.3939		9.83	10.0	-1.7	30.0
methyl isobutyl ketone	Ave	0.4248	0.4367		10.3	10.0	2.8	30.0
n-Octane	Ave	0.3882	0.3787		9.75	10.0	-2.5	30.0
Toluene	Ave	0.6604	0.6142		9.30	10.0	-7.0	30.0
trans-1,3-Dichloropropene	Ave	0.4843	0.4472		9.23	10.0	-7.7	30.0
1,1,2-Trichloroethane	Ave	0.3131	0.2744		8.76	10.0	-12.4	30.0
Tetrachloroethene	Ave	0.7544	0.7507		9.95	10.0	-0.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4549	0.4701		10.3	10.0	3.3	30.0
Dibromochloromethane	Ave	0.9303	0.8647		9.29	10.0	-7.1	30.0
1,2-Dibromoethane	Ave	0.6687	0.6293		9.41	10.0	-5.9	30.0
Chlorobenzene	Ave	1.040	0.9508		9.14	10.0	-8.6	30.0
Ethylbenzene	Ave	1.474	1.483		10.1	10.0	0.7	30.0
n-Nonane	Ave	0.4889	0.5086		10.4	10.0	4.0	30.0
m,p-Xylene	Ave	0.5976	0.6167		20.6	20.0	3.2	30.0
Xylene, o-	Ave	0.5726	0.6293		11.0	10.0	9.9	30.0
Styrene	Ave	0.9102	0.9904		10.9	10.0	8.8	30.0
Bromoform	Ave	0.997	1.052		10.5	10.0	5.4	30.0
Cumene	Ave	1.777	1.995		11.2	10.0	12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8900	0.8884		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	2.150	2.364		11.0	10.0	10.0	30.0
1,2,3-Trichloropropane	Ave	0.7458	0.7317		9.81	10.0	-1.9	30.0
n-Decane	Ave	0.7457	0.7883		10.6	10.0	5.7	30.0
4-Ethyltoluene	Ave	2.019	2.187		10.8	10.0	8.3	30.0
2-Chlorotoluene	Ave	1.734	1.773		10.2	10.0	2.2	30.0
1,3,5-Trimethylbenzene	Ave	1.764	1.901		10.8	10.0	7.7	30.0
Alpha Methyl Styrene	Ave	0.8449	1.002		11.9	10.0	18.6	30.0
tert-Butylbenzene	Ave	1.716	1.945		11.3	10.0	13.4	30.0
1,2,4-Trimethylbenzene	Ave	1.757	1.959		11.1	10.0	11.5	30.0
sec-Butylbenzene	Ave	2.432	2.760		11.3	10.0	13.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30516-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-96273/3 Calibration Date: 10/30/2015 11:57
 Instrument ID: CHW.i Calib Start Date: 10/26/2015 16:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/27/2015 10:49
 Lab File ID: 16543_03.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	2.166	2.535		11.7	10.0	17.1	30.0
1,3-Dichlorobenzene	Ave	1.480	1.553		10.5	10.0	4.9	30.0
1,4-Dichlorobenzene	Ave	1.444	1.564		10.8	10.0	8.3	30.0
Benzyl chloride	Ave	1.476	1.765		12.0	10.0	19.6	30.0
n-Undecane	Ave	0.8501	0.9077		10.7	10.0	6.8	30.0
n-Butylbenzene	Ave	1.935	2.103		10.9	10.0	8.7	30.0
1,2-Dichlorobenzene	Ave	1.434	1.541		10.7	10.0	7.5	30.0
n-Dodecane	Ave	0.8064	0.8699		10.8	10.0	7.9	30.0
1,2,4-Trichlorobenzene	Ave	1.103	1.313		11.9	10.0	19.1	30.0
Hexachlorobutadiene	Ave	1.228	1.379		11.2	10.0	12.3	30.0
Naphthalene	Ave	1.987	2.350		11.8	10.0	18.3	30.0
1,2,3-Trichlorobenzene	Ave	1.124	1.212		10.8	10.0	7.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30994-1

SDG No.: _____

Lab Sample ID: ICV 200-97280/16 Calibration Date: 11/20/2015 04:13

Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30

Lab File ID: 16909_16.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	0.8185	0.8165		9.97	10.0	-0.2	30.0
Dichlorodifluoromethane	Ave	2.856	2.807		9.83	10.0	-1.7	30.0
Freon 22	Ave	1.793	1.779		9.92	10.0	-0.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.870	3.131		10.9	10.0	9.1	30.0
Chloromethane	Ave	1.054	1.039		9.86	10.0	-1.4	30.0
n-Butane	Ave	1.677	1.670		9.95	10.0	-0.4	30.0
Vinyl chloride	Ave	1.140	1.086		9.53	10.0	-4.7	30.0
1,3-Butadiene	Ave	0.8168	0.7947		9.73	10.0	-2.7	30.0
Bromomethane	Ave	1.051	1.034		9.84	10.0	-1.6	30.0
Chloroethane	Ave	0.5177	0.4913		9.49	10.0	-5.1	30.0
Isopentane	Ave	1.085	1.150		10.6	10.0	6.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.072	1.032		9.63	10.0	-3.7	30.0
Trichlorofluoromethane	Ave	2.637	2.548		9.66	10.0	-3.4	30.0
n-Pentane	Ave	1.765	1.959		11.1	10.0	11.0	30.0
Ethanol	Ave	0.5246	0.6626		19.0	15.0	26.3	30.0
Ethyl ether	Ave	0.6631	0.7457		11.2	10.0	12.4	30.0
Acrolein	Ave	0.3000	0.3501		11.7	10.0	16.7	30.0
Freon TF	Ave	2.079	2.038		9.80	10.0	-2.0	30.0
1,1-Dichloroethene	Ave	1.022	0.9833		9.62	10.0	-3.8	30.0
Acetone	Ave	1.627	1.938		11.9	10.0	19.1	30.0
Carbon disulfide	Ave	2.878	3.208		11.1	10.0	11.5	30.0
Isopropyl alcohol	Ave	1.396	1.525		10.9	10.0	9.3	30.0
3-Chloropropene	Ave	1.277	1.346		10.5	10.0	5.4	30.0
Acetonitrile	Ave	0.7579	0.8923		11.8	10.0	17.7	30.0
Methylene Chloride	Ave	1.268	1.250		9.86	10.0	-1.4	30.0
tert-Butyl alcohol	Ave	1.936	2.102		10.9	10.0	8.6	30.0
Methyl tert-butyl ether	Ave	2.960	2.922		9.87	10.0	-1.3	30.0
trans-1,2-Dichloroethene	Ave	1.567	1.644		10.5	10.0	4.9	30.0
Acrylonitrile	Ave	0.7386	0.8065		10.9	10.0	9.2	30.0
n-Hexane	Ave	1.577	1.682		10.7	10.0	6.7	30.0
1,1-Dichloroethane	Ave	2.030	2.075		10.2	10.0	2.2	30.0
Vinyl acetate	Ave	3.093	3.183		10.3	10.0	2.9	30.0
cis-1,2-Dichloroethene	Ave	1.286	1.231		9.57	10.0	-4.3	30.0
Methyl Ethyl Ketone	Ave	0.6806	0.5940		8.73	10.0	-12.7	30.0
Ethyl acetate	Ave	0.0912	0.0946		10.4	10.0	3.7	30.0
Tetrahydrofuran	Ave	0.2741	0.2919		10.6	10.0	6.5	30.0
Chloroform	Ave	2.475	2.463		9.95	10.0	-0.5	30.0
Cyclohexane	Ave	0.3115	0.3053		9.80	10.0	-2.0	30.0
1,1,1-Trichloroethane	Ave	0.4671	0.4571		9.78	10.0	-2.1	30.0
Carbon tetrachloride	Ave	0.4579	0.4614		10.1	10.0	0.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30994-1

SDG No.: _____

Lab Sample ID: ICV 200-97280/16 Calibration Date: 11/20/2015 04:13

Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30

Lab File ID: 16909_16.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	1.233	1.207		9.79	10.0	-2.1	30.0
Benzene	Ave	0.7703	0.7374		9.57	10.0	-4.3	30.0
1,2-Dichloroethane	Ave	0.3226	0.3185		9.87	10.0	-1.3	30.0
n-Heptane	Ave	0.5118	0.4961		9.69	10.0	-3.1	30.0
n-Butanol	Ave	0.1393	0.1715		12.3	10.0	23.2	30.0
Trichloroethene	Ave	0.3525	0.3271		9.28	10.0	-7.2	30.0
1,2-Dichloropropane	Ave	0.3231	0.3097		9.58	10.0	-4.2	30.0
Methyl methacrylate	Ave	0.2968	0.2939		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.1245	0.1438		11.5	10.0	15.5	30.0
Dibromomethane	Ave	0.3704	0.3425		9.25	10.0	-7.5	30.0
Bromodichloromethane	Ave	0.5745	0.5562		9.68	10.0	-3.2	30.0
cis-1,3-Dichloropropene	Ave	0.4617	0.4523		9.80	10.0	-2.0	30.0
methyl isobutyl ketone	Ave	0.7346	0.7021		9.56	10.0	-4.4	30.0
Toluene	Ave	0.7025	0.6485		9.23	10.0	-7.7	30.0
n-Octane	Ave	0.7927	0.7683		9.69	10.0	-3.1	30.0
trans-1,3-Dichloropropene	Ave	0.4733	0.4545		9.60	10.0	-4.0	30.0
1,1,2-Trichloroethane	Ave	0.3414	0.3355		9.82	10.0	-1.7	30.0
Tetrachloroethene	Ave	0.6234	0.5864		9.40	10.0	-5.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8164	0.7656		9.38	10.0	-6.2	30.0
Dibromochloromethane	Ave	0.6544	0.6247		9.54	10.0	-4.6	30.0
1,2-Dibromoethane	Ave	0.6112	0.5931		9.70	10.0	-3.0	30.0
Chlorobenzene	Ave	0.9484	0.8855		9.33	10.0	-6.6	30.0
Ethylbenzene	Ave	1.514	1.441		9.51	10.0	-4.8	30.0
n-Nonane	Ave	0.7745	0.7386		9.53	10.0	-4.6	30.0
m,p-Xylene	Ave	0.6172	0.5814		18.8	20.0	-5.8	30.0
Xylene, o-	Ave	0.6024	0.5648		9.37	10.0	-6.2	30.0
Styrene	Ave	0.9002	0.8951		9.94	10.0	-0.6	30.0
Bromoform	Ave	0.6630	0.6607		9.96	10.0	-0.3	30.0
Cumene	Ave	1.715	1.631		9.51	10.0	-4.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9246	0.9088		9.83	10.0	-1.7	30.0
n-Propylbenzene	Ave	2.136	2.038		9.54	10.0	-4.6	30.0
1,2,3-Trichloropropane	Ave	0.7310	0.6817		9.32	10.0	-6.7	30.0
n-Decane	Ave	1.051	1.009		9.60	10.0	-4.0	30.0
4-Ethyltoluene	Ave	1.777	1.734		9.76	10.0	-2.4	30.0
2-Chlorotoluene	Ave	1.475	1.408		9.54	10.0	-4.6	30.0
1,3,5-Trimethylbenzene	Ave	1.437	1.370		9.53	10.0	-4.7	30.0
Alpha Methyl Styrene	Ave	0.7081	0.7352		10.4	10.0	3.8	30.0
tert-Butylbenzene	Ave	1.391	1.331		9.57	10.0	-4.3	30.0
1,2,4-Trimethylbenzene	Ave	1.466	1.419		9.67	10.0	-3.2	30.0
sec-Butylbenzene	Ave	2.171	2.099		9.67	10.0	-3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97280/16 Calibration Date: 11/20/2015 04:13
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 16909_16.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	1.819	1.770		9.73	10.0	-2.7	30.0
1,3-Dichlorobenzene	Ave	1.103	1.068		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	1.078	1.048		9.72	10.0	-2.8	30.0
Benzyl chloride	Ave	1.197	1.196		9.99	10.0	-0.0	30.0
n-Butylbenzene	Ave	1.701	1.686		9.90	10.0	-0.9	30.0
n-Undecane	Ave	1.146	1.091		9.52	10.0	-4.8	30.0
1,2-Dichlorobenzene	Ave	1.028	0.9936		9.66	10.0	-3.4	30.0
n-Dodecane	Ave	0.8710	0.8568		9.84	10.0	-1.6	30.0
1,2,4-Trichlorobenzene	Ave	0.7267	0.6291		8.66	10.0	-13.4	30.0
Hexachlorobutadiene	Ave	0.7162	0.6303		8.80	10.0	-12.0	30.0
Naphthalene	Ave	1.371	1.136		8.28	10.0	-17.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5676	0.4879		8.59	10.0	-14.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30994-1

SDG No.: _____

Lab Sample ID: CCVIS 200-98071/2 Calibration Date: 12/08/2015 12:06

Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30

Lab File ID: 17183_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	0.8185	0.7006		8.56	10.0	-14.4	30.0
Dichlorodifluoromethane	Ave	2.856	2.584		9.05	10.0	-9.5	30.0
Freon 22	Ave	1.793	1.546		8.62	10.0	-13.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.870	2.694		9.39	10.0	-6.1	30.0
Chloromethane	Ave	1.054	0.8871		8.41	10.0	-15.9	30.0
n-Butane	Ave	1.677	1.368		8.16	10.0	-18.4	30.0
Vinyl chloride	Ave	1.140	0.9914		8.70	10.0	-13.0	30.0
1,3-Butadiene	Ave	0.8168	0.6990		8.56	10.0	-14.4	30.0
Bromomethane	Ave	1.051	0.9439		8.98	10.0	-10.2	30.0
Chloroethane	Ave	0.5177	0.4169		8.05	10.0	-19.5	30.0
Isopentane	Ave	1.085	0.8005		7.38	10.0	-26.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.072	1.000		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	2.637	2.368		8.98	10.0	-10.2	30.0
n-Pentane	Ave	1.765	1.350		7.65	10.0	-23.5	30.0
Ethanol	Ave	0.5246	0.3926		11.2	15.0	-25.2	30.0
Ethyl ether	Ave	0.6631	0.5555		8.38	10.0	-16.2	30.0
Acrolein	Ave	0.3000	0.2462		8.21	10.0	-17.9	30.0
Freon TF	Ave	2.079	1.898		9.13	10.0	-8.7	30.0
1,1-Dichloroethene	Ave	1.022	0.9251		9.05	10.0	-9.5	30.0
Acetone	Ave	1.627	1.359		8.35	10.0	-16.4	30.0
Carbon disulfide	Ave	2.878	2.471		8.58	10.0	-14.1	30.0
Isopropyl alcohol	Ave	1.396	1.146		8.21	10.0	-17.9	30.0
3-Chloropropene	Ave	1.277	1.017		7.96	10.0	-20.4	30.0
Acetonitrile	Ave	0.7579	0.5999		7.91	10.0	-20.8	30.0
Methylene Chloride	Ave	1.268	0.9935		7.83	10.0	-21.7	30.0
tert-Butyl alcohol	Ave	1.936	1.672		8.64	10.0	-13.6	30.0
Methyl tert-butyl ether	Ave	2.960	2.626		8.87	10.0	-11.3	30.0
trans-1,2-Dichloroethene	Ave	1.567	1.335		8.52	10.0	-14.8	30.0
Acrylonitrile	Ave	0.7386	0.6162		8.34	10.0	-16.6	30.0
n-Hexane	Ave	1.577	1.319		8.36	10.0	-16.4	30.0
1,1-Dichloroethane	Ave	2.030	1.737		8.56	10.0	-14.4	30.0
Vinyl acetate	Ave	3.093	2.456		7.94	10.0	-20.6	30.0
cis-1,2-Dichloroethene	Ave	1.286	1.186		9.23	10.0	-7.7	30.0
Methyl Ethyl Ketone	Ave	0.6806	0.4966		7.29	10.0	-27.0	30.0
Ethyl acetate	Ave	0.0912	0.0799		8.76	10.0	-12.4	30.0
Tetrahydrofuran	Ave	0.2741	0.2213		8.07	10.0	-19.3	30.0
Chloroform	Ave	2.475	2.228		9.00	10.0	-10.0	30.0
Cyclohexane	Ave	0.3115	0.2870		9.21	10.0	-7.9	30.0
1,1,1-Trichloroethane	Ave	0.4671	0.4365		9.34	10.0	-6.6	30.0
Carbon tetrachloride	Ave	0.4579	0.4523		9.88	10.0	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98071/2 Calibration Date: 12/08/2015 12:06
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 17183_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	1.233	1.046		8.48	10.0	-15.2	30.0
Benzene	Ave	0.7703	0.6844		8.88	10.0	-11.1	30.0
1,2-Dichloroethane	Ave	0.3226	0.2858		8.86	10.0	-11.4	30.0
n-Heptane	Ave	0.5118	0.4114		8.04	10.0	-19.6	30.0
n-Butanol	Ave	0.1393	0.1226		8.80	10.0	-12.0	30.0
Trichloroethene	Ave	0.3525	0.3174		9.00	10.0	-10.0	30.0
1,2-Dichloropropane	Ave	0.3231	0.2779		8.60	10.0	-14.0	30.0
Methyl methacrylate	Ave	0.2968	0.2592		8.73	10.0	-12.6	30.0
1,4-Dioxane	Ave	0.1245	0.1157		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.3704	0.3951		10.7	10.0	6.7	30.0
Bromodichloromethane	Ave	0.5745	0.5296		9.22	10.0	-7.8	30.0
cis-1,3-Dichloropropene	Ave	0.4617	0.4148		8.98	10.0	-10.2	30.0
methyl isobutyl ketone	Ave	0.7346	0.5986		8.15	10.0	-18.5	30.0
Toluene	Ave	0.7025	0.6367		9.06	10.0	-9.4	30.0
n-Octane	Ave	0.7927	0.6563		8.28	10.0	-17.2	30.0
trans-1,3-Dichloropropene	Ave	0.4733	0.4286		9.05	10.0	-9.5	30.0
1,1,2-Trichloroethane	Ave	0.3414	0.3123		9.15	10.0	-8.5	30.0
Tetrachloroethene	Ave	0.6234	0.6446		10.3	10.0	3.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8164	0.6460		7.91	10.0	-20.9	30.0
Dibromochloromethane	Ave	0.6544	0.6487		9.91	10.0	-0.9	30.0
1,2-Dibromoethane	Ave	0.6112	0.5847		9.56	10.0	-4.3	30.0
Chlorobenzene	Ave	0.9484	0.9065		9.56	10.0	-4.4	30.0
Ethylbenzene	Ave	1.514	1.388		9.16	10.0	-8.3	30.0
n-Nonane	Ave	0.7745	0.6551		8.46	10.0	-15.4	30.0
m,p-Xylene	Ave	0.6172	0.5823		18.9	20.0	-5.7	30.0
Xylene, o-	Ave	0.6024	0.5748		9.54	10.0	-4.6	30.0
Styrene	Ave	0.9002	0.8975		9.97	10.0	-0.3	30.0
Bromoform	Ave	0.6630	0.6739		10.2	10.0	1.6	30.0
Cumene	Ave	1.715	1.640		9.57	10.0	-4.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9246	0.8417		9.10	10.0	-9.0	30.0
n-Propylbenzene	Ave	2.136	1.972		9.23	10.0	-7.6	30.0
1,2,3-Trichloropropane	Ave	0.7310	0.6279		8.59	10.0	-14.1	30.0
n-Decane	Ave	1.051	0.8832		8.40	10.0	-15.9	30.0
4-Ethyltoluene	Ave	1.777	1.672		9.41	10.0	-5.9	30.0
2-Chlorotoluene	Ave	1.475	1.323		8.97	10.0	-10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.437	1.340		9.32	10.0	-6.8	30.0
Alpha Methyl Styrene	Ave	0.7081	0.7382		10.4	10.0	4.3	30.0
tert-Butylbenzene	Ave	1.391	1.348		9.69	10.0	-3.1	30.0
1,2,4-Trimethylbenzene	Ave	1.466	1.386		9.45	10.0	-5.5	30.0
sec-Butylbenzene	Ave	2.171	2.080		9.58	10.0	-4.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-30994-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98071/2 Calibration Date: 12/08/2015 12:06
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 17183_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	1.819	1.797		9.88	10.0	-1.2	30.0
1,3-Dichlorobenzene	Ave	1.103	1.113		10.1	10.0	0.9	30.0
1,4-Dichlorobenzene	Ave	1.078	1.109		10.3	10.0	2.9	30.0
Benzyl chloride	Ave	1.197	1.175		9.81	10.0	-1.8	30.0
n-Butylbenzene	Ave	1.701	1.620		9.52	10.0	-4.8	30.0
n-Undecane	Ave	1.146	0.9602		8.38	10.0	-16.2	30.0
1,2-Dichlorobenzene	Ave	1.028	1.048		10.2	10.0	1.9	30.0
n-Dodecane	Ave	0.8710	0.8728		10.0	10.0	0.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7267	0.8062		11.1	10.0	10.9	30.0
Hexachlorobutadiene	Ave	0.7162	0.7607		10.6	10.0	6.2	30.0
Naphthalene	Ave	1.371	1.421		10.4	10.0	3.6	30.0
1,2,3-Trichlorobenzene	Ave	0.5676	0.7034		12.4	10.0	23.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31006-1

SDG No.: _____

Lab Sample ID: ICV 200-97280/16 Calibration Date: 11/20/2015 04:13

Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30

Lab File ID: 16909_16.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	0.8185	0.8165		9.97	10.0	-0.2	30.0
Dichlorodifluoromethane	Ave	2.856	2.807		9.83	10.0	-1.7	30.0
Freon 22	Ave	1.793	1.779		9.92	10.0	-0.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.870	3.131		10.9	10.0	9.1	30.0
Chloromethane	Ave	1.054	1.039		9.86	10.0	-1.4	30.0
n-Butane	Ave	1.677	1.670		9.95	10.0	-0.4	30.0
Vinyl chloride	Ave	1.140	1.086		9.53	10.0	-4.7	30.0
1,3-Butadiene	Ave	0.8168	0.7947		9.73	10.0	-2.7	30.0
Bromomethane	Ave	1.051	1.034		9.84	10.0	-1.6	30.0
Chloroethane	Ave	0.5177	0.4913		9.49	10.0	-5.1	30.0
Isopentane	Ave	1.085	1.150		10.6	10.0	6.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.072	1.032		9.63	10.0	-3.7	30.0
Trichlorofluoromethane	Ave	2.637	2.548		9.66	10.0	-3.4	30.0
n-Pentane	Ave	1.765	1.959		11.1	10.0	11.0	30.0
Ethanol	Ave	0.5246	0.6626		19.0	15.0	26.3	30.0
Ethyl ether	Ave	0.6631	0.7457		11.2	10.0	12.4	30.0
Acrolein	Ave	0.3000	0.3501		11.7	10.0	16.7	30.0
Freon TF	Ave	2.079	2.038		9.80	10.0	-2.0	30.0
1,1-Dichloroethene	Ave	1.022	0.9833		9.62	10.0	-3.8	30.0
Acetone	Ave	1.627	1.938		11.9	10.0	19.1	30.0
Carbon disulfide	Ave	2.878	3.208		11.1	10.0	11.5	30.0
Isopropyl alcohol	Ave	1.396	1.525		10.9	10.0	9.3	30.0
3-Chloropropene	Ave	1.277	1.346		10.5	10.0	5.4	30.0
Acetonitrile	Ave	0.7579	0.8923		11.8	10.0	17.7	30.0
Methylene Chloride	Ave	1.268	1.250		9.86	10.0	-1.4	30.0
tert-Butyl alcohol	Ave	1.936	2.102		10.9	10.0	8.6	30.0
Methyl tert-butyl ether	Ave	2.960	2.922		9.87	10.0	-1.3	30.0
trans-1,2-Dichloroethene	Ave	1.567	1.644		10.5	10.0	4.9	30.0
Acrylonitrile	Ave	0.7386	0.8065		10.9	10.0	9.2	30.0
n-Hexane	Ave	1.577	1.682		10.7	10.0	6.7	30.0
1,1-Dichloroethane	Ave	2.030	2.075		10.2	10.0	2.2	30.0
Vinyl acetate	Ave	3.093	3.183		10.3	10.0	2.9	30.0
cis-1,2-Dichloroethene	Ave	1.286	1.231		9.57	10.0	-4.3	30.0
Methyl Ethyl Ketone	Ave	0.6806	0.5940		8.73	10.0	-12.7	30.0
Ethyl acetate	Ave	0.0912	0.0946		10.4	10.0	3.7	30.0
Tetrahydrofuran	Ave	0.2741	0.2919		10.6	10.0	6.5	30.0
Chloroform	Ave	2.475	2.463		9.95	10.0	-0.5	30.0
Cyclohexane	Ave	0.3115	0.3053		9.80	10.0	-2.0	30.0
1,1,1-Trichloroethane	Ave	0.4671	0.4571		9.78	10.0	-2.1	30.0
Carbon tetrachloride	Ave	0.4579	0.4614		10.1	10.0	0.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97280/16 Calibration Date: 11/20/2015 04:13
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 16909_16.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	1.233	1.207		9.79	10.0	-2.1	30.0
Benzene	Ave	0.7703	0.7374		9.57	10.0	-4.3	30.0
1,2-Dichloroethane	Ave	0.3226	0.3185		9.87	10.0	-1.3	30.0
n-Heptane	Ave	0.5118	0.4961		9.69	10.0	-3.1	30.0
n-Butanol	Ave	0.1393	0.1715		12.3	10.0	23.2	30.0
Trichloroethene	Ave	0.3525	0.3271		9.28	10.0	-7.2	30.0
1,2-Dichloropropane	Ave	0.3231	0.3097		9.58	10.0	-4.2	30.0
Methyl methacrylate	Ave	0.2968	0.2939		9.90	10.0	-1.0	30.0
1,4-Dioxane	Ave	0.1245	0.1438		11.5	10.0	15.5	30.0
Dibromomethane	Ave	0.3704	0.3425		9.25	10.0	-7.5	30.0
Bromodichloromethane	Ave	0.5745	0.5562		9.68	10.0	-3.2	30.0
cis-1,3-Dichloropropene	Ave	0.4617	0.4523		9.80	10.0	-2.0	30.0
methyl isobutyl ketone	Ave	0.7346	0.7021		9.56	10.0	-4.4	30.0
Toluene	Ave	0.7025	0.6485		9.23	10.0	-7.7	30.0
n-Octane	Ave	0.7927	0.7683		9.69	10.0	-3.1	30.0
trans-1,3-Dichloropropene	Ave	0.4733	0.4545		9.60	10.0	-4.0	30.0
1,1,2-Trichloroethane	Ave	0.3414	0.3355		9.82	10.0	-1.7	30.0
Tetrachloroethene	Ave	0.6234	0.5864		9.40	10.0	-5.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8164	0.7656		9.38	10.0	-6.2	30.0
Dibromochloromethane	Ave	0.6544	0.6247		9.54	10.0	-4.6	30.0
1,2-Dibromoethane	Ave	0.6112	0.5931		9.70	10.0	-3.0	30.0
Chlorobenzene	Ave	0.9484	0.8855		9.33	10.0	-6.6	30.0
Ethylbenzene	Ave	1.514	1.441		9.51	10.0	-4.8	30.0
n-Nonane	Ave	0.7745	0.7386		9.53	10.0	-4.6	30.0
m,p-Xylene	Ave	0.6172	0.5814		18.8	20.0	-5.8	30.0
Xylene, o-	Ave	0.6024	0.5648		9.37	10.0	-6.2	30.0
Styrene	Ave	0.9002	0.8951		9.94	10.0	-0.6	30.0
Bromoform	Ave	0.6630	0.6607		9.96	10.0	-0.3	30.0
Cumene	Ave	1.715	1.631		9.51	10.0	-4.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9246	0.9088		9.83	10.0	-1.7	30.0
n-Propylbenzene	Ave	2.136	2.038		9.54	10.0	-4.6	30.0
1,2,3-Trichloropropane	Ave	0.7310	0.6817		9.32	10.0	-6.7	30.0
n-Decane	Ave	1.051	1.009		9.60	10.0	-4.0	30.0
4-Ethyltoluene	Ave	1.777	1.734		9.76	10.0	-2.4	30.0
2-Chlorotoluene	Ave	1.475	1.408		9.54	10.0	-4.6	30.0
1,3,5-Trimethylbenzene	Ave	1.437	1.370		9.53	10.0	-4.7	30.0
Alpha Methyl Styrene	Ave	0.7081	0.7352		10.4	10.0	3.8	30.0
tert-Butylbenzene	Ave	1.391	1.331		9.57	10.0	-4.3	30.0
1,2,4-Trimethylbenzene	Ave	1.466	1.419		9.67	10.0	-3.2	30.0
sec-Butylbenzene	Ave	2.171	2.099		9.67	10.0	-3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97280/16 Calibration Date: 11/20/2015 04:13
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 16909_16.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	1.819	1.770		9.73	10.0	-2.7	30.0
1,3-Dichlorobenzene	Ave	1.103	1.068		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	1.078	1.048		9.72	10.0	-2.8	30.0
Benzyl chloride	Ave	1.197	1.196		9.99	10.0	-0.0	30.0
n-Butylbenzene	Ave	1.701	1.686		9.90	10.0	-0.9	30.0
n-Undecane	Ave	1.146	1.091		9.52	10.0	-4.8	30.0
1,2-Dichlorobenzene	Ave	1.028	0.9936		9.66	10.0	-3.4	30.0
n-Dodecane	Ave	0.8710	0.8568		9.84	10.0	-1.6	30.0
1,2,4-Trichlorobenzene	Ave	0.7267	0.6291		8.66	10.0	-13.4	30.0
Hexachlorobutadiene	Ave	0.7162	0.6303		8.80	10.0	-12.0	30.0
Naphthalene	Ave	1.371	1.136		8.28	10.0	-17.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5676	0.4879		8.59	10.0	-14.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98071/2 Calibration Date: 12/08/2015 12:06
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 17183_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	0.8185	0.7006		8.56	10.0	-14.4	30.0
Dichlorodifluoromethane	Ave	2.856	2.584		9.05	10.0	-9.5	30.0
Freon 22	Ave	1.793	1.546		8.62	10.0	-13.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.870	2.694		9.39	10.0	-6.1	30.0
Chloromethane	Ave	1.054	0.8871		8.41	10.0	-15.9	30.0
n-Butane	Ave	1.677	1.368		8.16	10.0	-18.4	30.0
Vinyl chloride	Ave	1.140	0.9914		8.70	10.0	-13.0	30.0
1,3-Butadiene	Ave	0.8168	0.6990		8.56	10.0	-14.4	30.0
Bromomethane	Ave	1.051	0.9439		8.98	10.0	-10.2	30.0
Chloroethane	Ave	0.5177	0.4169		8.05	10.0	-19.5	30.0
Isopentane	Ave	1.085	0.8005		7.38	10.0	-26.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.072	1.000		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	2.637	2.368		8.98	10.0	-10.2	30.0
n-Pentane	Ave	1.765	1.350		7.65	10.0	-23.5	30.0
Ethanol	Ave	0.5246	0.3926		11.2	15.0	-25.2	30.0
Ethyl ether	Ave	0.6631	0.5555		8.38	10.0	-16.2	30.0
Acrolein	Ave	0.3000	0.2462		8.21	10.0	-17.9	30.0
Freon TF	Ave	2.079	1.898		9.13	10.0	-8.7	30.0
1,1-Dichloroethene	Ave	1.022	0.9251		9.05	10.0	-9.5	30.0
Acetone	Ave	1.627	1.359		8.35	10.0	-16.4	30.0
Carbon disulfide	Ave	2.878	2.471		8.58	10.0	-14.1	30.0
Isopropyl alcohol	Ave	1.396	1.146		8.21	10.0	-17.9	30.0
3-Chloropropene	Ave	1.277	1.017		7.96	10.0	-20.4	30.0
Acetonitrile	Ave	0.7579	0.5999		7.91	10.0	-20.8	30.0
Methylene Chloride	Ave	1.268	0.9935		7.83	10.0	-21.7	30.0
tert-Butyl alcohol	Ave	1.936	1.672		8.64	10.0	-13.6	30.0
Methyl tert-butyl ether	Ave	2.960	2.626		8.87	10.0	-11.3	30.0
trans-1,2-Dichloroethene	Ave	1.567	1.335		8.52	10.0	-14.8	30.0
Acrylonitrile	Ave	0.7386	0.6162		8.34	10.0	-16.6	30.0
n-Hexane	Ave	1.577	1.319		8.36	10.0	-16.4	30.0
1,1-Dichloroethane	Ave	2.030	1.737		8.56	10.0	-14.4	30.0
Vinyl acetate	Ave	3.093	2.456		7.94	10.0	-20.6	30.0
cis-1,2-Dichloroethene	Ave	1.286	1.186		9.23	10.0	-7.7	30.0
Methyl Ethyl Ketone	Ave	0.6806	0.4966		7.29	10.0	-27.0	30.0
Ethyl acetate	Ave	0.0912	0.0799		8.76	10.0	-12.4	30.0
Tetrahydrofuran	Ave	0.2741	0.2213		8.07	10.0	-19.3	30.0
Chloroform	Ave	2.475	2.228		9.00	10.0	-10.0	30.0
Cyclohexane	Ave	0.3115	0.2870		9.21	10.0	-7.9	30.0
1,1,1-Trichloroethane	Ave	0.4671	0.4365		9.34	10.0	-6.6	30.0
Carbon tetrachloride	Ave	0.4579	0.4523		9.88	10.0	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98071/2 Calibration Date: 12/08/2015 12:06
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 17183_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	1.233	1.046		8.48	10.0	-15.2	30.0
Benzene	Ave	0.7703	0.6844		8.88	10.0	-11.1	30.0
1,2-Dichloroethane	Ave	0.3226	0.2858		8.86	10.0	-11.4	30.0
n-Heptane	Ave	0.5118	0.4114		8.04	10.0	-19.6	30.0
n-Butanol	Ave	0.1393	0.1226		8.80	10.0	-12.0	30.0
Trichloroethene	Ave	0.3525	0.3174		9.00	10.0	-10.0	30.0
1,2-Dichloropropane	Ave	0.3231	0.2779		8.60	10.0	-14.0	30.0
Methyl methacrylate	Ave	0.2968	0.2592		8.73	10.0	-12.6	30.0
1,4-Dioxane	Ave	0.1245	0.1157		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.3704	0.3951		10.7	10.0	6.7	30.0
Bromodichloromethane	Ave	0.5745	0.5296		9.22	10.0	-7.8	30.0
cis-1,3-Dichloropropene	Ave	0.4617	0.4148		8.98	10.0	-10.2	30.0
methyl isobutyl ketone	Ave	0.7346	0.5986		8.15	10.0	-18.5	30.0
Toluene	Ave	0.7025	0.6367		9.06	10.0	-9.4	30.0
n-Octane	Ave	0.7927	0.6563		8.28	10.0	-17.2	30.0
trans-1,3-Dichloropropene	Ave	0.4733	0.4286		9.05	10.0	-9.5	30.0
1,1,2-Trichloroethane	Ave	0.3414	0.3123		9.15	10.0	-8.5	30.0
Tetrachloroethene	Ave	0.6234	0.6446		10.3	10.0	3.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.8164	0.6460		7.91	10.0	-20.9	30.0
Dibromochloromethane	Ave	0.6544	0.6487		9.91	10.0	-0.9	30.0
1,2-Dibromoethane	Ave	0.6112	0.5847		9.56	10.0	-4.3	30.0
Chlorobenzene	Ave	0.9484	0.9065		9.56	10.0	-4.4	30.0
Ethylbenzene	Ave	1.514	1.388		9.16	10.0	-8.3	30.0
n-Nonane	Ave	0.7745	0.6551		8.46	10.0	-15.4	30.0
m,p-Xylene	Ave	0.6172	0.5823		18.9	20.0	-5.7	30.0
Xylene, o-	Ave	0.6024	0.5748		9.54	10.0	-4.6	30.0
Styrene	Ave	0.9002	0.8975		9.97	10.0	-0.3	30.0
Bromoform	Ave	0.6630	0.6739		10.2	10.0	1.6	30.0
Cumene	Ave	1.715	1.640		9.57	10.0	-4.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9246	0.8417		9.10	10.0	-9.0	30.0
n-Propylbenzene	Ave	2.136	1.972		9.23	10.0	-7.6	30.0
1,2,3-Trichloropropane	Ave	0.7310	0.6279		8.59	10.0	-14.1	30.0
n-Decane	Ave	1.051	0.8832		8.40	10.0	-15.9	30.0
4-Ethyltoluene	Ave	1.777	1.672		9.41	10.0	-5.9	30.0
2-Chlorotoluene	Ave	1.475	1.323		8.97	10.0	-10.3	30.0
1,3,5-Trimethylbenzene	Ave	1.437	1.340		9.32	10.0	-6.8	30.0
Alpha Methyl Styrene	Ave	0.7081	0.7382		10.4	10.0	4.3	30.0
tert-Butylbenzene	Ave	1.391	1.348		9.69	10.0	-3.1	30.0
1,2,4-Trimethylbenzene	Ave	1.466	1.386		9.45	10.0	-5.5	30.0
sec-Butylbenzene	Ave	2.171	2.080		9.58	10.0	-4.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98071/2 Calibration Date: 12/08/2015 12:06
 Instrument ID: CHC.i Calib Start Date: 11/19/2015 18:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/19/2015 23:30
 Lab File ID: 17183_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	1.819	1.797		9.88	10.0	-1.2	30.0
1,3-Dichlorobenzene	Ave	1.103	1.113		10.1	10.0	0.9	30.0
1,4-Dichlorobenzene	Ave	1.078	1.109		10.3	10.0	2.9	30.0
Benzyl chloride	Ave	1.197	1.175		9.81	10.0	-1.8	30.0
n-Butylbenzene	Ave	1.701	1.620		9.52	10.0	-4.8	30.0
n-Undecane	Ave	1.146	0.9602		8.38	10.0	-16.2	30.0
1,2-Dichlorobenzene	Ave	1.028	1.048		10.2	10.0	1.9	30.0
n-Dodecane	Ave	0.8710	0.8728		10.0	10.0	0.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7267	0.8062		11.1	10.0	10.9	30.0
Hexachlorobutadiene	Ave	0.7162	0.7607		10.6	10.0	6.2	30.0
Naphthalene	Ave	1.371	1.421		10.4	10.0	3.6	30.0
1,2,3-Trichlorobenzene	Ave	0.5676	0.7034		12.4	10.0	23.9	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-30516-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 10/26/2015 15:15Analysis Batch Number: 96052End Date: 10/27/2015 14:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-96052/1		10/26/2015 15:15	1	16465_01.d	RTX-624 0.32 (mm)
VIBLK 200-96052/2		10/26/2015 16:11	1		RTX-624 0.32 (mm)
IC 200-96052/3		10/26/2015 16:59	1	16465_03.d	RTX-624 0.32 (mm)
ZZZZZ		10/26/2015 17:48	1		RTX-624 0.32 (mm)
ZZZZZ		10/26/2015 18:36	1		RTX-624 0.32 (mm)
IC 200-96052/6		10/26/2015 19:26	1	16465_06.d	RTX-624 0.32 (mm)
IC 200-96052/7		10/26/2015 20:14	1	16465_07.d	RTX-624 0.32 (mm)
ICIS 200-96052/8		10/26/2015 21:03	1	16465_08.d	RTX-624 0.32 (mm)
IC 200-96052/9		10/26/2015 21:52	1	16465_09.d	RTX-624 0.32 (mm)
IC 200-96052/10		10/26/2015 22:42	1	16465_10.d	RTX-624 0.32 (mm)
ZZZZZ		10/26/2015 23:33	1		RTX-624 0.32 (mm)
VIBLK 200-96052/12		10/27/2015 00:22	1		RTX-624 0.32 (mm)
VIBLK 200-96052/13		10/27/2015 01:10	1		RTX-624 0.32 (mm)
ZZZZZ		10/27/2015 01:59	1		RTX-624 0.32 (mm)
ZZZZZ		10/27/2015 02:48	1		RTX-624 0.32 (mm)
ZZZZZ		10/27/2015 03:37	1		RTX-624 0.32 (mm)
IC 200-96052/17		10/27/2015 09:59	1	16465_17.d	RTX-624 0.32 (mm)
IC 200-96052/18		10/27/2015 10:49	1	16465_18.d	RTX-624 0.32 (mm)
VIBLK 200-96052/19		10/27/2015 11:38	1		RTX-624 0.32 (mm)
VIBLK 200-96052/20		10/27/2015 12:27	1		RTX-624 0.32 (mm)
ICV 200-96052/21		10/27/2015 13:17	1	16465_21.d	RTX-624 0.32 (mm)
ZZZZZ		10/27/2015 14:06	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-30516-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 10/30/2015 10:17Analysis Batch Number: 96273End Date: 10/31/2015 08:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-96273/1		10/30/2015 10:17	1	16543_01.d	RTX-624 0.32 (mm)
CCVIS 200-96273/2		10/30/2015 11:08	1		RTX-624 0.32 (mm)
CCVIS 200-96273/3		10/30/2015 11:57	1	16543_03.d	RTX-624 0.32 (mm)
LCS 200-96273/4		10/30/2015 12:45	1	16543_04.d	RTX-624 0.32 (mm)
MB 200-96273/5		10/30/2015 13:35	1	16543_05.d	RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 14:23	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 15:11	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 15:56	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 16:44	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 17:32	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 18:21	9.95		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 19:09	26.3		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 19:57	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 20:46	10		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 21:36	1		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 22:27	1		RTX-624 0.32 (mm)
ZZZZZ		10/30/2015 23:17	1		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 00:07	1		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 00:58	1		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 01:46	10		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 02:35	43.5		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 03:23	6.06		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 04:11	6.06		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 04:59	4		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 05:48	10		RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 06:36	10		RTX-624 0.32 (mm)
200-30516-4	4277	10/31/2015 07:44	0.2	16543_27.d	RTX-624 0.32 (mm)
ZZZZZ		10/31/2015 08:55	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-30994-1

SDG No.: _____

Instrument ID: CHC.iStart Date: 11/19/2015 16:24Analysis Batch Number: 97280End Date: 11/20/2015 05:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-97280/1		11/19/2015 16:24	1	16909_01.D	RTX-624 0.32 (mm)
VIBLK 200-97280/2		11/19/2015 17:13	1		RTX-624 0.32 (mm)
IC 200-97280/3		11/19/2015 18:00	1	16909_03.D	RTX-624 0.32 (mm)
IC 200-97280/4		11/19/2015 18:48	1	16909_04.D	RTX-624 0.32 (mm)
IC 200-97280/5		11/19/2015 19:35	1	16909_05.D	RTX-624 0.32 (mm)
IC 200-97280/6		11/19/2015 20:22	1	16909_06.D	RTX-624 0.32 (mm)
ICIS 200-97280/7		11/19/2015 21:09	1	16909_07.D	RTX-624 0.32 (mm)
IC 200-97280/8		11/19/2015 21:56	1	16909_08.D	RTX-624 0.32 (mm)
IC 200-97280/9		11/19/2015 22:43	1	16909_09.D	RTX-624 0.32 (mm)
IC 200-97280/10		11/19/2015 23:30	1	16909_10.D	RTX-624 0.32 (mm)
VIBLK 200-97280/11		11/20/2015 00:17	1		RTX-624 0.32 (mm)
VIBLK 200-97280/12		11/20/2015 01:04	1		RTX-624 0.32 (mm)
VIBLK 200-97280/13		11/20/2015 01:52	1		RTX-624 0.32 (mm)
VIBLK 200-97280/14		11/20/2015 02:38	1		RTX-624 0.32 (mm)
VIBLK 200-97280/15		11/20/2015 03:25	1		RTX-624 0.32 (mm)
ICV 200-97280/16		11/20/2015 04:13	1	16909_16.D	RTX-624 0.32 (mm)
ZZZZZ		11/20/2015 05:00	1		RTX-624 0.32 (mm)
ZZZZZ		11/20/2015 05:47	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-30994-1

SDG No.: _____

Instrument ID: CHC.iStart Date: 12/08/2015 11:17Analysis Batch Number: 98071End Date: 12/09/2015 06:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-98071/1		12/08/2015 11:17	1	17183_01.D	RTX-624 0.32 (mm)
CCVIS 200-98071/2		12/08/2015 12:06	1	17183_02.D	RTX-624 0.32 (mm)
LCS 200-98071/3		12/08/2015 12:53	1	17183_03.D	RTX-624 0.32 (mm)
MB 200-98071/4		12/08/2015 13:40	1	17183_04.D	RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 15:08	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 15:55	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 16:42	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 17:29	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 18:15	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 19:02	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 19:49	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 20:36	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 21:23	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 22:10	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 22:58	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 23:45	1		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 00:32	1		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 01:19	1		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 02:18	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 03:17	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 04:16	0.2		RTX-624 0.32 (mm)
200-30994-5	2680	12/09/2015 05:19	0.2	17183_22.D	RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 06:19	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-31006-1

SDG No.: _____

Instrument ID: CHC.iStart Date: 11/19/2015 16:24Analysis Batch Number: 97280End Date: 11/20/2015 05:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-97280/1		11/19/2015 16:24	1	16909_01.D	RTX-624 0.32 (mm)
VIBLK 200-97280/2		11/19/2015 17:13	1		RTX-624 0.32 (mm)
IC 200-97280/3		11/19/2015 18:00	1	16909_03.D	RTX-624 0.32 (mm)
IC 200-97280/4		11/19/2015 18:48	1	16909_04.D	RTX-624 0.32 (mm)
IC 200-97280/5		11/19/2015 19:35	1	16909_05.D	RTX-624 0.32 (mm)
IC 200-97280/6		11/19/2015 20:22	1	16909_06.D	RTX-624 0.32 (mm)
ICIS 200-97280/7		11/19/2015 21:09	1	16909_07.D	RTX-624 0.32 (mm)
IC 200-97280/8		11/19/2015 21:56	1	16909_08.D	RTX-624 0.32 (mm)
IC 200-97280/9		11/19/2015 22:43	1	16909_09.D	RTX-624 0.32 (mm)
IC 200-97280/10		11/19/2015 23:30	1	16909_10.D	RTX-624 0.32 (mm)
VIBLK 200-97280/11		11/20/2015 00:17	1		RTX-624 0.32 (mm)
VIBLK 200-97280/12		11/20/2015 01:04	1		RTX-624 0.32 (mm)
VIBLK 200-97280/13		11/20/2015 01:52	1		RTX-624 0.32 (mm)
VIBLK 200-97280/14		11/20/2015 02:38	1		RTX-624 0.32 (mm)
VIBLK 200-97280/15		11/20/2015 03:25	1		RTX-624 0.32 (mm)
ICV 200-97280/16		11/20/2015 04:13	1	16909_16.D	RTX-624 0.32 (mm)
ZZZZZ		11/20/2015 05:00	1		RTX-624 0.32 (mm)
ZZZZZ		11/20/2015 05:47	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-31006-1

SDG No.: _____

Instrument ID: CHC.iStart Date: 12/08/2015 11:17Analysis Batch Number: 98071End Date: 12/09/2015 06:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-98071/1		12/08/2015 11:17	1	17183_01.D	RTX-624 0.32 (mm)
CCVIS 200-98071/2		12/08/2015 12:06	1	17183_02.D	RTX-624 0.32 (mm)
LCS 200-98071/3		12/08/2015 12:53	1	17183_03.D	RTX-624 0.32 (mm)
MB 200-98071/4		12/08/2015 13:40	1	17183_04.D	RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 15:08	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 15:55	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 16:42	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 17:29	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 18:15	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 19:02	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 19:49	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 20:36	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 21:23	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 22:10	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 22:58	1		RTX-624 0.32 (mm)
ZZZZZ		12/08/2015 23:45	1		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 00:32	1		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 01:19	1		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 02:18	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 03:17	0.2		RTX-624 0.32 (mm)
200-31006-7	5421	12/09/2015 04:16	0.2	17183_21.D	RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 05:19	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/09/2015 06:19	0.2		RTX-624 0.32 (mm)

Shipping and Receiving Documents

Canister Samples Chain of Custody Record & TO-15 Field Test Data Sheet

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

phone 802-660-1990 fax 802-660-1919

[illegible]

INCR: 0002 0001 1000

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
TESTAMERICA
118 BOSS RD

SHIP DATE: 18DEC15
ACTWGT: 35.0 LB MAN
CAD: 251798/CAFE2910

SYRACUSE, NY 13211
UNITED STATES US

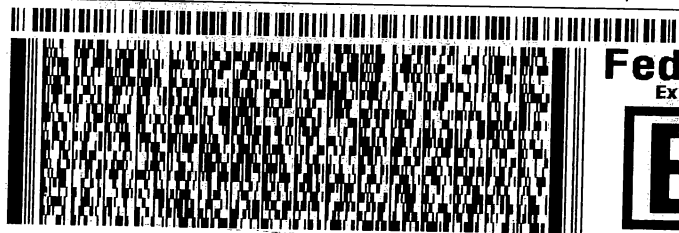
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 660-1990

REF: OBG 1BOX



FedEx
Express



TRK# 6532 8081 1653
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BTVA

05403
VT-US BTV



Part # 154254-354 RIT2 05/13

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 200-31275-1

SDG Number: 200-31275

Login Number: 31275

List Source: TestAmerica Burlington

List Number: 1

Creator: Atherton, Joel E

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	Not present
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.	N/A	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.	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	