



November 18, 2021

John Sheehan
New York State Department of Environmental Conservation
SUNY at Stony Brook
50 Circle Road
Stony Brook, NY 11790-3409

RE: NYSDEC Site No. 1-52-124, Glaro, Inc., 735 Caleb's Path, Hauppauge NY – Soil Vapor Assessment Resampling

Dear Mr. Sheehan:

Groundwater and air sampling was conducted at the subject site in February 2021, as outlined in the work plan dated December 16, 2020, which was approved by your office on January 27, 2021. Following the event, a letter summary report was prepared and submitted on May 10, 2021. A NYSDEC comment letter was received on September 2, 2021 and included directive to resample the two permanent sub-slab vapor points, due to reported elevated concentrations of isopropyl alcohol (IPA). The samples were located in the Glaro administrative office (sample ID: SS-Glaro) and the former degreaser room (sample ID: SS-Manufacturing).

This letter summarizes recent field activities conducted by Environmental Assessment & Remediations (EAR), on behalf of Glaro, Inc., in response to this directive. A site location map is provided in Figure 1 and a site map is provided in Figure 2.

Resampling of the two requested permanent sub-slab vapor points was conducted by EAR on October 7, 2021. Sampling was conducted in a manner consistent with procedures outlined in the December 2020 work plan. While sampling, EAR technicians did not report IPA odors. At each location sampled, photoionization detector (PID) measurements (taken at the sample tube) did not exceed ambient PID readings. Approximate sample locations are shown in Figure 3. Completed field sheets have been included in Appendix A.

Prior to sampling, and as directed by your office, currently operating air sparge/soil vapor extraction (AS/SVE) systems were shut down one day prior to the resampling event, on October 6, 2021. This included shutting down the North System SVE system and the East System AS and SVE systems. Following the resampling event, the systems were restarted to resume normal, continuous operation on October 8, 2021. Please note that the North System AS system is not normally operating.

Analytical results from the October 7, 2021 resampling event reported an IPA concentration of 72 µg/m³ in the sample collected from the former degreasing room (sample ID: SS-Manufacturing). IPA was not detected in the sample collected from the Glaro office area (sample ID: SS-Glaro). Analytical results from the resampling event have been tabulated and included in Table 1. The laboratory report has been included in Appendix B.



Should you have any questions regarding the activities or data detailed in this letter, please feel free to me at 631-447-6400, extension 152.

Sincerely,

Stephen Goetz
Project Manager/Geologist

Cc: D. Kost



Tables

Glaro, Inc.
735 Calebs Path
Hauppauge, NY
NYSDEC Site #1-52-124

TABLE 1



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Soil Gas Analytical Results (µg/m³)
Eurofins TestAmerica
EPA Methods: D1946, TO15

Sample Type	Sample Location	Sample ID	Date Collected	1,1,1 Trichloroethane	1,2,4 Trimethylbenzene	1,3 Dichlorobenzene	1,3,5 Trimethylbenzene	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Butane	Carbon Disulfide	Chloroform	Ethylbenzene	Heptane	Hexane	Isopropyl Alcohol	m + p Xylene	Methyl Ethyl Ketone	Methylene Chloride	n Propylbenzene	o-Xylene	Styrene	Tert-Butyl Alcohol	Tetrachloroethene	Toluene	Trichloroethylene	Trichlorofluoromethane	Xylenes Total	Total VOCs
Sub-Slab Soil Vapor	Glaro Office	SS-GLARO	10/07/21	42	<20	<24	<20	<20	<41	<240	<13	<24	<31	22	<17	<16	<35	<250	<43	<29	<35	<20	<17	<17	<300	3,500	<15	59	<22	<61	3,623
	Former Degreaser Room	SS-MANUFACTURING	10/07/21	1.6	6.5	13	3.5	1.2	4.4	42	0.95	43	1.8	<0.98	6	1.7	1.8	72	15	10	2.4	1.5	7.9	2.6	59	46	11	16	2.1	23	373

Notes:
Helium tracer gas was used at sub-slab soil vapor sample locations (EPA Method D1946).
Bold values indicate reported concentrations above the laboratoy reporting limit.

The chemicals listed below were reported below the LRL:

1,1 Dichloroethane	1,2 Dichlorobenzene	1,3 Butadiene	2-Hexanone	Bromoform	Chlorodifluoromethane	Dibromochloromethane	Hexachlorobutadiene	Naphthalene	Tetrahydrofuran
1,1 Dichloroethene	1,2 Dichloroethane	1,4 Dichlorobenzene	3-Chloropropene	Bromomethane	Chloroethane	Dichlorodifluoromethane	Isopropylbenzene	p Isopropyltoluene	trans-1,2-Dichloroethene
1,1,2 Trichloroethane	1,2 Dichloroethene	1,4-Dioxane	Benzyl Chloride	c 1,3 Dichloropropene	Chloromethane	Freon 113	Methyl Methacrylate	s Butylbenzene	Vinyl Chloride
1,1,2,2 Tetrachloroethane	1,2 Dichloropropane	2 Chlorotoluene	Bromodichloromethane	Carbon Tetrachloride	cis-1,2-Dichloroethene	Freon 114	MTBE	t 1,3 Dichloropropene	
1,2 Dibromoethane	1,2,4 Trichlorobenzene	2,2,4-Trimethylpentane	Bromoethene	Chlorobenzene	Cyclohexane	Helium	n Butylbenzene	t Butylbenzene	



Figures

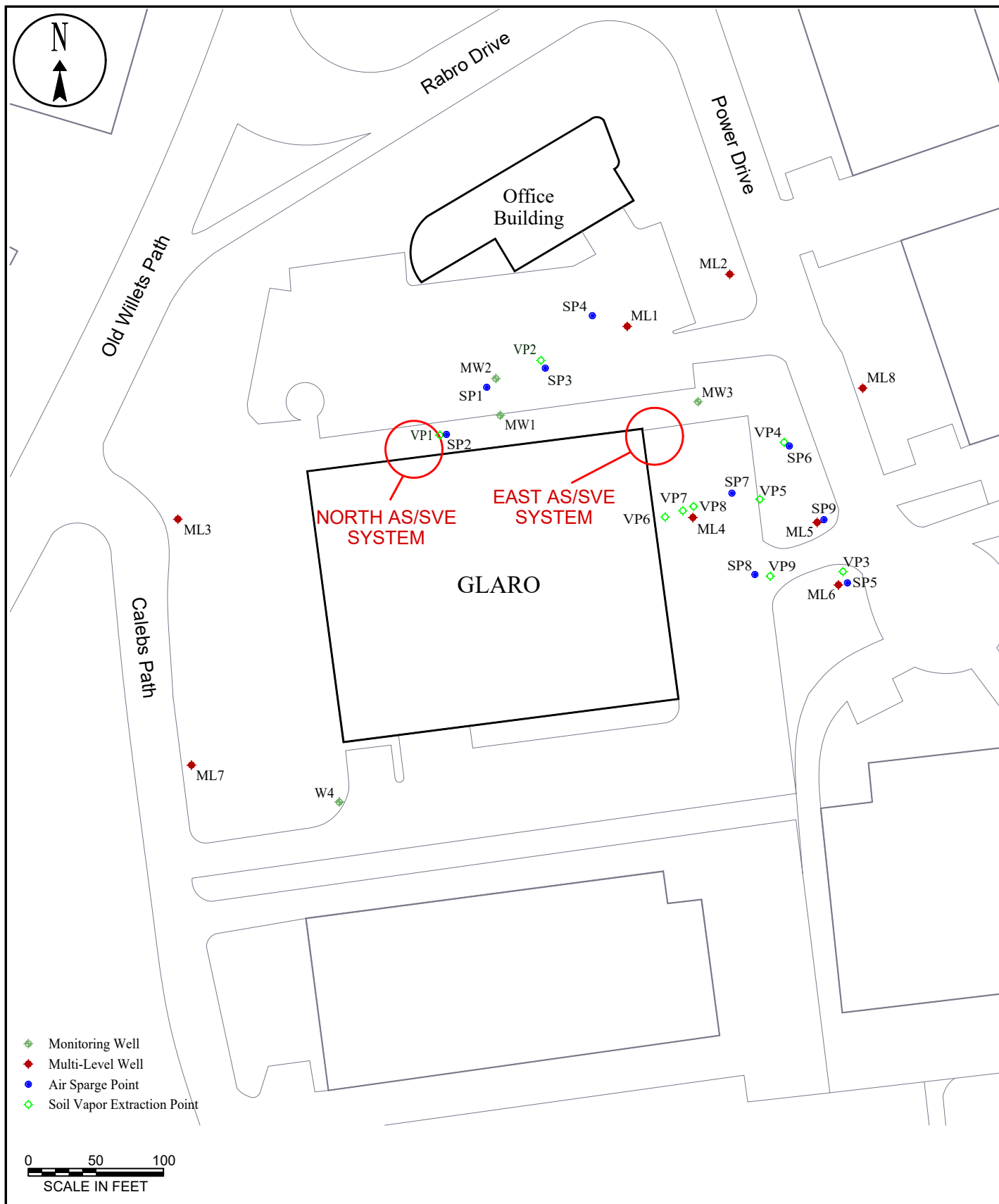
A detailed map of the Long Island Sound region, specifically the area around Huntington and Commack. The map shows major highways including I-495, I-27, and various state routes like 25A, 110, 108, 135, 105, 25, 347, 112, 454, 27, 27A, and 109. Key locations labeled include Lloyd Harbor, Northport, East Northport, Kings Park, Smithtown, Commack, Hauppauge, Dix Hills, Melville, Plainview, Bethpage, Farmingdale, Wyandanch, West Babylon, Babylon, Lindenhurst, Bay Shore, Islip, East Islip, Great River, Connetquot River State Park Preserve, Bohemia, Ronkonkoma, Holbrook, Medford, Farmingville, Selden, Coram, Port Jefferson Station, Setauket-East Setauket, and Stony Brook. A red crosshair marks the 'SITE' location near the intersection of I-495 and I-27. A north arrow is in the top left corner, and a 'NOT TO SCALE' warning is in the bottom left corner.



Site Location Map

Glaro, Incorporated
735 Calebs Path
Hauppauge, NY 11788
NYSDEC Site # 1-52-124

FIGURE 2

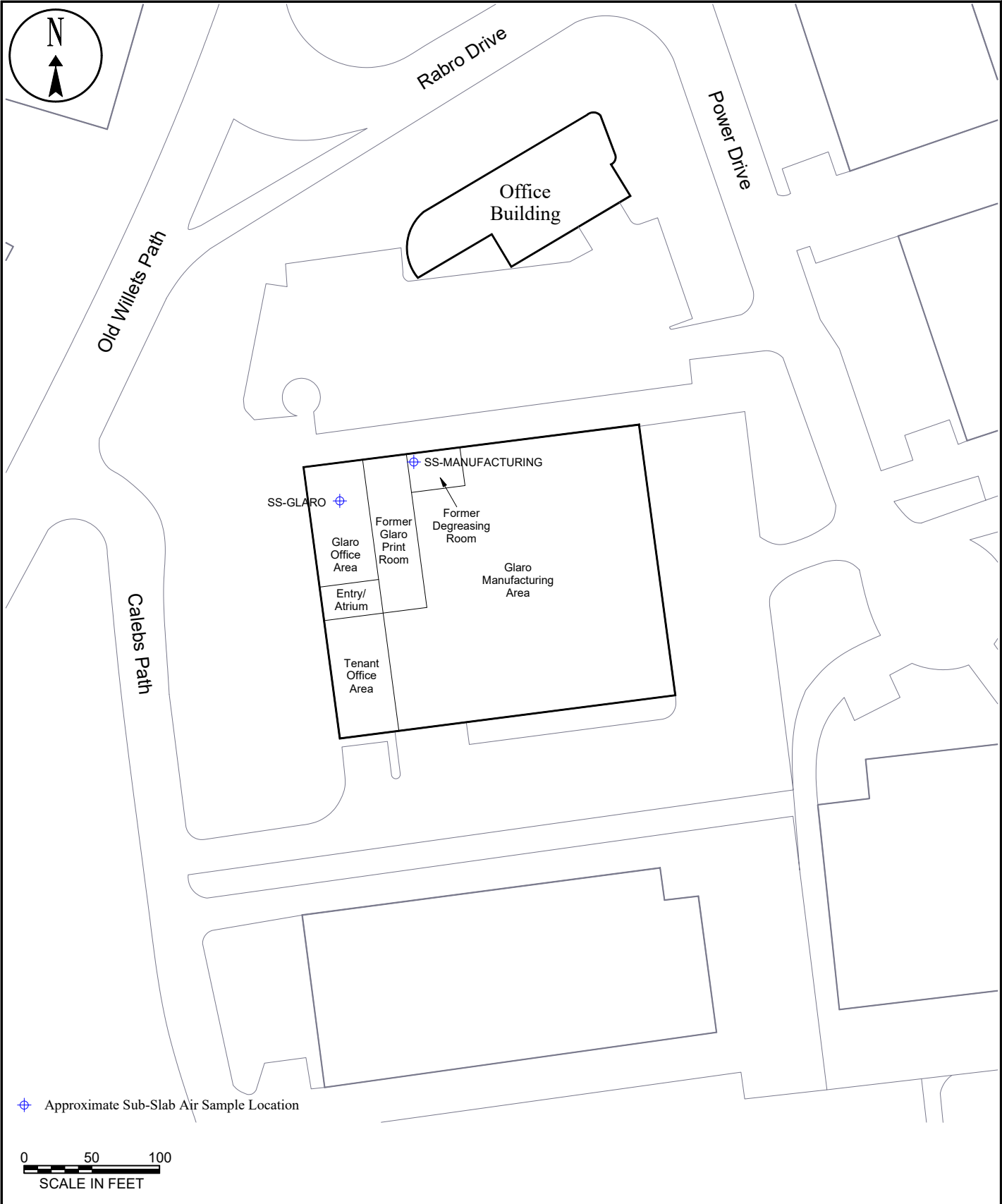


225 Atlantic Avenue
Patchogue, New York 11772
Tel (631) 447-6400
Fax (631) 447-6497
Email Info@Enviro-Asmnt.com
www.Enviro-Asmnt.com

Site Map

Glaro, Incorporated
735 Calebs Path
Hauppauge, NY
NYSDEC Site # 1-52-124

FIGURE 3





Appendix A

SVI Field Sheets

SVI / Soil Vapor Sampling Sheet

Sample ID: SS - GlaroDate(s) Sampled: 10/7/21Site ID: Glaro - Hanppange

Address: _____

Technicians: JD + JB + MR**Weather (Sample Start)**Date/Time: 10/7/21Source: weather.comTemperature (°F): 60°Pressure (in. Hg): 30.31

Wind Direction: _____

PID (include units): 0**Indoor Conditions (Sample Start)**Date/Time: 10/7/21 0858HVAC Operating: yes (specify: in office area)
no for humidityTemperature (°F): 78.64Pressure (in. Hg): 30.31PID (include units): 9.112 0.9**Weather (Sample End)**Date/Time: 10/7/21

Source: _____

Temperature (°F): 70Pressure (in. Hg): 30.31

Wind Direction: _____

PID (include units): 0**Indoor Conditions (Sample End)**Date/Time: 10/7/21 1701HVAC Operating: yes (specify: _____)
noTemperature (°F): 70

Pressure (in. Hg): _____

PID (include units): 2.9**Equipment (Include copies of rental equipment calibration reports with field notes):**PID: ppb RAE / other: PID 19Rental? yes / noHelium Detector: MGD-2002 / other: _____Rental? yes / noSample Pump: Gilian GilAir Plus / other: _____Rental? yes / noFlow Calibrator: BIOS Defender (M or L) / other: _____Rental? yes / no**Calibration Notes:**

Sample pump calibrated to .2 L/min
• Bios defender did not have calibration paper included in can

General InformationSample Type: sub-slab / soil vapor

NYSDOH Building Questionnaire completed: NA / yes / no

Associated indoor air sampled collected: NA / yes / noAssociated outdoor air sample collected: NA / yes / noSample duration (hours): 8Surface material: concrete sample pointSurface material thickness (inches): ~6Tubing material: AMBA polyethyleneTubing length (feet): 4

Tubing diameter (inches) standard (0.17"x0.25") / other: _____

Connection type to SUMMA: compression fitting / silicone / other: _____

SVI / Soil Vapor Sampling Sheet

Sample ID: SS-Glan

Date(s) Sampled: _____
 Site ID: _____
 Address: _____
 Technicians: _____

**Sample Pump Data**

Calibrated using BIOS Defender (M or L model): yes / no
 Calibrated flow rate (L/min.): .2

Purge Volume (assumes standard tubing size, $V = \pi r^2 h$, 28.32 L/cu. ft. conversion)**Tubing volume/SVI Calculations**

1 Volume multiplier = 0.00016

a) 1 Volume_{cu. ft.} (multiplier times tubing length) = 0.00064b) 1 Volume_{Liters} (multiply a by 28.32 L/cu. ft.) = 0.0181c) 3 Volumes_{Liters} (multiply b by 3) = 0.0543**Additional Calculations :****Purge Duration (Calculation = Total Purge/Calculated Flow Rate , result will be in minutes)**

$$0.0543 / .2 = .2717 \text{ min}$$

$$16.3 \text{ seconds}$$

Test Chamber ConstructionMaterial: polycarbonate / other: _____Size (Liters): 7Sealing material: natural clay / other: _____Sealed to surface using poly sheeting: yes / noSample tubing sealed at grade: yes / noSample tubing sealed at poly entry & exit: yes / noTracer gas used: UHP Helium / other: _____Checked test chamber seals: yes / noWere any leaks detected? yes / noIf yes, were seals corrected? yes / noWere any leaks detected after correction? yes / noPhotodocumented completed test chamber: yes / no**Tracer Gas Concentrations (%):**Sample Start: 91.0Sample End: 76.5

Sample ID: SS-6120



Before Purge: PID: 0.9
He: 0

After Sampling: PID: 2.9
He: 0

After Purge: PID: 1.0
He: 0

Purge Start Date/Time:	10/7/21	0830
Purge End Date/Time:	10/7/21	0830
Purge Duration (sec.):	16 seconds	

Restored borehole at grade: yes / no
 Restored using: concrete / other:
 Photodocumented restoration: yes / no

- No smell of Isopropyl alcohol detected by any of the field team
- No visible chemicals in area of samples
- ~~Isopropyl~~ No changes to chemical inventory or process since last extensive chemical inventory was completed
- PID reading from tubes matched Ambient readings. PID readings were taken slightly away from the end of the tube as PID suction is greater than $.2 \text{ L/min}$ and would have affected the sample / the purge if inserted directly into the tube



Sample Log Sheet

Date:

Site ID:

Address:

Preparer's Name:

Sampling Information

Sample name(as it appears on CoC):

SS-61aro

Sample location (include depth/elevation):

Underneath copier in office room

Laboratory and analysis:

TD-15

Purge Volume:

.0543 L

1. Summa Canister Information

Laboratory ID #:

4363

Cleaning/Certification Date:

8/31/21

Batch #/Analyst:

2860 - 47482

2. Flow Controller/Metering Valve Information

Laboratory ID #:

5195

s/n:

/

model/lot #:

/

3. Diaphragm/Bellows Valve

Manufacturer:

Suwaylock

s/n or lot #:

796535

model #:

SS-414

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling):

-29.7 "Hg

Field Vacuum (Start Sampling):

-30 "Hg

Field Vacuum (Stop Sampling):

-7 "Hg

Laboratory Vacuum (After Sampling)

"Hg

5. Collection Period

Sample collection start time (24 hr. clock):

0836

Sample collection end time (24 hr. clock):

1629

SVI / Soil Vapor Sampling Sheet

Sample ID: SS-manufacturingDate(s) Sampled: 10/7/21Site ID: Glen-Hampden

Address: _____

Technicians: SD + JB + MA**Weather (Sample Start)**Date/Time: 10/7/21Source: weather.comTemperature (°F): 60Pressure (in. Hg): 30.21

Wind Direction: _____

PID (include units): 0**Indoor Conditions (Sample Start)**Date/Time: 10/7/21 858

HVAC Operating: yes (specify: _____)

no not in this areaTemperature (°F): 64Pressure (in. Hg): 30.31PID (include units): 4.9**Weather (Sample End)**Date/Time: 10/7/21Source: weather.comTemperature (°F): 70Pressure (in. Hg): 30.21

Wind Direction: _____

PID (include units): 0**Indoor Conditions (Sample End)**Date/Time: 10/7/21 1700

HVAC Operating: yes (specify: _____)

no

Temperature (°F): 70

Pressure (in. Hg): _____

PID (include units): 8.1**Equipment (Include copies of rental equipment calibration reports with field notes):**PID: ppb RAE / other: RED 19Rental? yes / noHelium Detector: MGD-2002 / other: _____Rental? yes / noSample Pump: Gilman GII Air Plus / other: _____Rental? yes / noFlow Calibrator: BIOS Defender (M or L) / other: _____Rental? yes / no**Calibration Notes:**BIOS Defender did not have calibration papers in car**General Information**

Sample Type: _____

sub-slab / soil vapor

NYSDOH Building Questionnaire completed: _____

NA / yes / no

Associated indoor air sampled collected: _____

NA / yes / no

Associated outdoor air sample collected: _____

NA / yes / noSample duration (hours): 8

Surface material: _____

conc

Surface material thickness (inches): _____

6

Tubing material: _____

polyethylene

Tubing length (feet): _____

4

Tubing diameter (inches) _____

standard (0.17"x0.25") / other: _____

Connection type to SUMMA: _____

compression fitting / silicone / other: _____

Sample ID: SS-manufacturing



ENVIRONMENTAL
SCIENCE ASSOCIATION
OF SRI LANKA

Calibrated using BIOS Defender (M or L model): yes/no
Calibrated flow rate (L/min.): 2

a) 1 Volume_{cu. ft.} (multiplier times tubing length) = 0.00064

b) 1 Volume_{Liters} (multiply a by 28.32 L/cu. ft.) = 0.0181

c) 3 Volumes_{Liters} (multiply b by 3) = 0.0543

Purge Duration (Calculation = Total Purge/Calculated Flow Rate , result will be in minutes)

$$0.0543 / .2 = .27187$$

16.31 seconds

Material:	<u>7</u>	<u>polycarbonate</u> / other:
Size (Liters):		
Sealing material:		<u>natural clay</u> / other:
Sealed to surface using poly sheeting:		<u>yes</u> / no
Sample tubing sealed at grade:		<u>yes</u> / no
Sample tubing sealed at poly entry & exit:		<u>yes</u> / no
Tracer gas used:		<u>UHP Helium</u> / other:
Checked test chamber seals:		<u>yes</u> / no
Were any leaks detected?		<u>yes</u> / no
If yes, were seals corrected?		yes / no
Were any leaks detected after correction?		yes / no
Photodocumented completed test chamber:		<u>yes</u> / no

Sample Start: 97.1
Sample End: 735

SVI / Soil Vapor Sampling Sheet

Sample ID: SS-manufacturing

Date(s) Sampled: _____
 Site ID: _____
 Address: _____
 Technicians: _____



Sample Tubing Readings

Before Purge: PID: 4.5
He: 0

After Sampling: PID: 2 2.9 8.1
He: 0 0

After Purge: PID: 1.1
He: 0

Purge Details

Purge Start Date/Time: 10/7/21 0855

Purge End Date/Time: 10/7/21 0858

Purge Duration (sec.): 16 seconds

Sample Details

- Use Sample Log Sheet for sample details

Sample Completion

Restored borehole at grade: yes / no
 Restored using: concrete / other: VMP paint
 Photodocumented restoration: yes / no

Additional Notes:

- No smell of isopropyl alcohol detected by any of the field techs
- No visible chemicals in area of sample
- No changes to chemicals or manufacturing process since last chemical inventory completed
- PID readings from Tube matched Ambient readings. PID readings were taken slightly away from the end of the tube as PID suction is greater than .2 L/min and would have effected the sample / the purge if inserted into tubing



Sample Log Sheet

Date:

Site ID:

Address:

Preparer's Name:

Sampling Information

Sample name(as it appears on CoC):

SS-manufacturing

Sample location (include depth/elevation):

NW corner of PERC room at SW1
vapor point

Laboratory and analysis:

TO-15

Purge Volume:

.0543 L

1. Summa Canister Information

Laboratory ID #:

5099

Cleaning/Certification Date:

8/31/21

Batch #/Analyst:

2860-47482

2. Flow Controller/Metering Valve Information

Laboratory ID #:

8995

s/n:

7279806

model/lot #:

3. Diaphragm/Bellows Valve

Manufacturer:

Swaylock

s/n or lot #:

160495

model #:

SS-4H

4. Laboratory/Field Vacuums

Laboratory Vacuum (Before Sampling):

-29.7 "Hg

Field Vacuum (Start Sampling):

-30 "Hg

Field Vacuum (Stop Sampling):

-6 "Hg

Laboratory Vacuum (After Sampling)

"Hg

5. Collection Period

Sample collection start time (24 hr. clock):

858

Sample collection end time (24 hr. clock):

1652



Appendix B

Laboratory Report

ANALYTICAL REPORT

Job Number: 200-60507-1

SDG Number: 200-60507-1

Job Description: Glaro-Happauge

For:

Environmental Assessment & Remediations

dba Env Assessment & Remediation

225 Atlantic Avenue

Patchogue, NY 11772

Attention: Mr. Stephen Goetz



Approved for release.
Kathryn A Kelly
Project Manager II
10/27/2021 8:42 AM

Kathryn A Kelly, Project Manager II
530 Community Drive, South Burlington, VT, 05403
(802)923-1021
Kathryn.Kelly@Eurofinset.com
10/27/2021

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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CASE NARRATIVE

Client: Environmental Assessment & Remediations

Project: Glaro-Happauge

Report Number: 200-60507-1

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 10/12/2021; the samples arrived in good condition.

HELIUM

Samples SS- GLARO and SS- MANUFACTURING were analyzed for Helium in accordance with ASTM D1946 (MOD). The samples were analyzed on 10/26/2021.

Samples SS- GLARO[1.35X] and SS- MANUFACTURING[1.35X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

VOLATILE ORGANIC COMPOUNDS

Samples SS- GLARO and SS- MANUFACTURING were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 10/25/2021.

Sample SS- GLARO[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 200-173045 recovered above the upper control limit for Chlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SS- GLARO and SS- MANUFACTURING.

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

Sample Summary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-60507-1	SS- GLARO	Air	10/07/21 16:29	10/12/21 11:00	Air Canister (6-Liter) #4363
200-60507-2	SS- MANUFACTURING	Air	10/07/21 16:52	10/12/21 11:00	Air Canister (6-Liter) #5099

Detection Summary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- GLARO

Lab Sample ID: 200-60507-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	4.6		4.0	4.0	ppb v/v	20		TO-15	Total/NA
1,1,1-Trichloroethane	7.6		4.0	4.0	ppb v/v	20		TO-15	Total/NA
Trichloroethene	11		4.0	4.0	ppb v/v	20		TO-15	Total/NA
Tetrachloroethene	520		4.0	4.0	ppb v/v	20		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	22		20	20	ug/m3	20		TO-15	Total/NA
1,1,1-Trichloroethane	42		22	22	ug/m3	20		TO-15	Total/NA
Trichloroethene	59		21	21	ug/m3	20		TO-15	Total/NA
Tetrachloroethene	3500		27	27	ug/m3	20		TO-15	Total/NA

Client Sample ID: SS- MANUFACTURING

Lab Sample ID: 200-60507-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	18		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.37		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Acetone	18		5.0	5.0	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	29		5.0	5.0	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.56		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.70		0.50	0.50	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	19		5.0	5.0	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.52		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.5		0.50	0.50	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.29		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Benzene	0.30		0.20	0.20	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.41		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichloroethene	3.0		0.20	0.20	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	1.1		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Toluene	3.0		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	6.8		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.4		0.20	0.20	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	3.4		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Xylene, o-	1.8		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Xylene (total)	5.2		0.70	0.70	ppb v/v	1		TO-15	Total/NA
Styrene	0.61		0.20	0.20	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.31		0.20	0.20	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.25		0.20	0.20	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.71		0.20	0.20	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.3		0.20	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	2.1		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	43		1.2	1.2	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.1		1.1	1.1	ug/m3	1		TO-15	Total/NA
Acetone	42		12	12	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	72		12	12	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.8		1.6	1.6	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.4		1.7	1.7	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	59		15	15	ug/m3	1		TO-15	Total/NA
n-Hexane	1.8		1.8	1.8	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	10		1.5	1.5	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.6		1.1	1.1	ug/m3	1		TO-15	Total/NA
Benzene	0.95		0.64	0.64	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- MANUFACTURING (Continued)

Lab Sample ID: 200-60507-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
n-Heptane	1.7		0.82	0.82	ug/m3	1			TO-15	Total/NA
Trichloroethene	16		1.1	1.1	ug/m3	1			TO-15	Total/NA
methyl isobutyl ketone	4.4		2.0	2.0	ug/m3	1			TO-15	Total/NA
Toluene	11		0.75	0.75	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	46		1.4	1.4	ug/m3	1			TO-15	Total/NA
Ethylbenzene	6.0		0.87	0.87	ug/m3	1			TO-15	Total/NA
m,p-Xylene	15		2.2	2.2	ug/m3	1			TO-15	Total/NA
Xylene, o-	7.9		0.87	0.87	ug/m3	1			TO-15	Total/NA
Xylene (total)	23		3.0	3.0	ug/m3	1			TO-15	Total/NA
Styrene	2.6		0.85	0.85	ug/m3	1			TO-15	Total/NA
n-Propylbenzene	1.5		0.98	0.98	ug/m3	1			TO-15	Total/NA
4-Ethyltoluene	1.2		0.98	0.98	ug/m3	1			TO-15	Total/NA
1,3,5-Trimethylbenzene	3.5		0.98	0.98	ug/m3	1			TO-15	Total/NA
1,2,4-Trimethylbenzene	6.5		0.98	0.98	ug/m3	1			TO-15	Total/NA
1,3-Dichlorobenzene	13		1.2	1.2	ug/m3	1			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Method Summary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR
D1946	Fixed Gases (Helium)	ASTM	TAL BUR

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- GLARO

Lab Sample ID: 200-60507-1

Date Collected: 10/07/21 16:29

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	10	U	10	10	ppb v/v			10/25/21 20:46	20
Freon 22	10	U	10	10	ppb v/v			10/25/21 20:46	20
1,2-Dichlorotetrafluoroethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Chloromethane	10	U	10	10	ppb v/v			10/25/21 20:46	20
n-Butane	10	U	10	10	ppb v/v			10/25/21 20:46	20
Vinyl chloride	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,3-Butadiene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Bromomethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Chloroethane	10	U	10	10	ppb v/v			10/25/21 20:46	20
Bromoethene(Vinyl Bromide)	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Trichlorofluoromethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Freon TF	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,1-Dichloroethene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Acetone	100	U	100	100	ppb v/v			10/25/21 20:46	20
Isopropyl alcohol	100	U	100	100	ppb v/v			10/25/21 20:46	20
Carbon disulfide	10	U	10	10	ppb v/v			10/25/21 20:46	20
3-Chloropropene	10	U	10	10	ppb v/v			10/25/21 20:46	20
Methylene Chloride	10	U	10	10	ppb v/v			10/25/21 20:46	20
tert-Butyl alcohol	100	U	100	100	ppb v/v			10/25/21 20:46	20
Methyl tert-butyl ether	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
trans-1,2-Dichloroethene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
n-Hexane	10	U	10	10	ppb v/v			10/25/21 20:46	20
1,1-Dichloroethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Methyl Ethyl Ketone	10	U	10	10	ppb v/v			10/25/21 20:46	20
cis-1,2-Dichloroethene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,2-Dichloroethene, Total	8.0	U	8.0	8.0	ppb v/v			10/25/21 20:46	20
Chloroform	4.6		4.0	4.0	ppb v/v			10/25/21 20:46	20
Tetrahydrofuran	100	U	100	100	ppb v/v			10/25/21 20:46	20
1,1,1-Trichloroethane	7.6		4.0	4.0	ppb v/v			10/25/21 20:46	20
Cyclohexane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Carbon tetrachloride	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
2,2,4-Trimethylpentane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Benzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,2-Dichloroethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
n-Heptane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Trichloroethene	11		4.0	4.0	ppb v/v			10/25/21 20:46	20
Methyl methacrylate	10	U	10	10	ppb v/v			10/25/21 20:46	20
1,2-Dichloropropane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,4-Dioxane	100	U	100	100	ppb v/v			10/25/21 20:46	20
Bromodichloromethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
cis-1,3-Dichloropropene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
methyl isobutyl ketone	10	U	10	10	ppb v/v			10/25/21 20:46	20
Toluene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
trans-1,3-Dichloropropene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,1,2-Trichloroethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Tetrachloroethene	520		4.0	4.0	ppb v/v			10/25/21 20:46	20
Methyl Butyl Ketone (2-Hexanone)	10	U	10	10	ppb v/v			10/25/21 20:46	20
Dibromochloromethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- GLARO

Lab Sample ID: 200-60507-1

Date Collected: 10/07/21 16:29

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Chlorobenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Ethylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
m,p-Xylene	10	U	10	10	ppb v/v			10/25/21 20:46	20
Xylene, o-	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Xylene (total)	14	U	14	14	ppb v/v			10/25/21 20:46	20
Styrene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Bromoform	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Cumene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,1,2,2-Tetrachloroethane	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
n-Propylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
4-Ethyltoluene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,3,5-Trimethylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
2-Chlorotoluene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
tert-Butylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,2,4-Trimethylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
sec-Butylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
4-Isopropyltoluene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,3-Dichlorobenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,4-Dichlorobenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Benzyl chloride	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
n-Butylbenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,2-Dichlorobenzene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
1,2,4-Trichlorobenzene	10	U	10	10	ppb v/v			10/25/21 20:46	20
Hexachlorobutadiene	4.0	U	4.0	4.0	ppb v/v			10/25/21 20:46	20
Naphthalene	10	U	10	10	ppb v/v			10/25/21 20:46	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	49	U	49	49	ug/m3			10/25/21 20:46	20
Freon 22	35	U	35	35	ug/m3			10/25/21 20:46	20
1,2-Dichlorotetrafluoroethane	28	U	28	28	ug/m3			10/25/21 20:46	20
Chloromethane	21	U	21	21	ug/m3			10/25/21 20:46	20
n-Butane	24	U	24	24	ug/m3			10/25/21 20:46	20
Vinyl chloride	10	U	10	10	ug/m3			10/25/21 20:46	20
1,3-Butadiene	8.8	U	8.8	8.8	ug/m3			10/25/21 20:46	20
Bromomethane	16	U	16	16	ug/m3			10/25/21 20:46	20
Chloroethane	26	U	26	26	ug/m3			10/25/21 20:46	20
Bromoethene(Vinyl Bromide)	17	U	17	17	ug/m3			10/25/21 20:46	20
Trichlorofluoromethane	22	U	22	22	ug/m3			10/25/21 20:46	20
Freon TF	31	U	31	31	ug/m3			10/25/21 20:46	20
1,1-Dichloroethene	16	U	16	16	ug/m3			10/25/21 20:46	20
Acetone	240	U	240	240	ug/m3			10/25/21 20:46	20
Isopropyl alcohol	250	U	250	250	ug/m3			10/25/21 20:46	20
Carbon disulfide	31	U	31	31	ug/m3			10/25/21 20:46	20
3-Chloropropene	31	U	31	31	ug/m3			10/25/21 20:46	20
Methylene Chloride	35	U	35	35	ug/m3			10/25/21 20:46	20
tert-Butyl alcohol	300	U	300	300	ug/m3			10/25/21 20:46	20
Methyl tert-butyl ether	14	U	14	14	ug/m3			10/25/21 20:46	20
trans-1,2-Dichloroethene	16	U	16	16	ug/m3			10/25/21 20:46	20

Eurofins TestAmerica, Burlington

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- GLARO

Lab Sample ID: 200-60507-1

Date Collected: 10/07/21 16:29

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	35	U	35	35	ug/m3			10/25/21 20:46	20
1,1-Dichloroethane	16	U	16	16	ug/m3			10/25/21 20:46	20
Methyl Ethyl Ketone	29	U	29	29	ug/m3			10/25/21 20:46	20
cis-1,2-Dichloroethene	16	U	16	16	ug/m3			10/25/21 20:46	20
1,2-Dichloroethene, Total	32	U	32	32	ug/m3			10/25/21 20:46	20
Chloroform	22		20	20	ug/m3			10/25/21 20:46	20
Tetrahydrofuran	290	U	290	290	ug/m3			10/25/21 20:46	20
1,1,1-Trichloroethane	42		22	22	ug/m3			10/25/21 20:46	20
Cyclohexane	14	U	14	14	ug/m3			10/25/21 20:46	20
Carbon tetrachloride	25	U	25	25	ug/m3			10/25/21 20:46	20
2,2,4-Trimethylpentane	19	U	19	19	ug/m3			10/25/21 20:46	20
Benzene	13	U	13	13	ug/m3			10/25/21 20:46	20
1,2-Dichloroethane	16	U	16	16	ug/m3			10/25/21 20:46	20
n-Heptane	16	U	16	16	ug/m3			10/25/21 20:46	20
Trichloroethene	59		21	21	ug/m3			10/25/21 20:46	20
Methyl methacrylate	41	U	41	41	ug/m3			10/25/21 20:46	20
1,2-Dichloropropane	18	U	18	18	ug/m3			10/25/21 20:46	20
1,4-Dioxane	360	U	360	360	ug/m3			10/25/21 20:46	20
Bromodichloromethane	27	U	27	27	ug/m3			10/25/21 20:46	20
cis-1,3-Dichloropropene	18	U	18	18	ug/m3			10/25/21 20:46	20
methyl isobutyl ketone	41	U	41	41	ug/m3			10/25/21 20:46	20
Toluene	15	U	15	15	ug/m3			10/25/21 20:46	20
trans-1,3-Dichloropropene	18	U	18	18	ug/m3			10/25/21 20:46	20
1,1,2-Trichloroethane	22	U	22	22	ug/m3			10/25/21 20:46	20
Tetrachloroethene	3500		27	27	ug/m3			10/25/21 20:46	20
Methyl Butyl Ketone (2-Hexanone)	41	U	41	41	ug/m3			10/25/21 20:46	20
Dibromochloromethane	34	U	34	34	ug/m3			10/25/21 20:46	20
1,2-Dibromoethane	31	U	31	31	ug/m3			10/25/21 20:46	20
Chlorobenzene	18	U	18	18	ug/m3			10/25/21 20:46	20
Ethylbenzene	17	U	17	17	ug/m3			10/25/21 20:46	20
m,p-Xylene	43	U	43	43	ug/m3			10/25/21 20:46	20
Xylene, o-	17	U	17	17	ug/m3			10/25/21 20:46	20
Xylene (total)	61	U	61	61	ug/m3			10/25/21 20:46	20
Styrene	17	U	17	17	ug/m3			10/25/21 20:46	20
Bromoform	41	U	41	41	ug/m3			10/25/21 20:46	20
Cumene	20	U	20	20	ug/m3			10/25/21 20:46	20
1,1,2,2-Tetrachloroethane	27	U	27	27	ug/m3			10/25/21 20:46	20
n-Propylbenzene	20	U	20	20	ug/m3			10/25/21 20:46	20
4-Ethyltoluene	20	U	20	20	ug/m3			10/25/21 20:46	20
1,3,5-Trimethylbenzene	20	U	20	20	ug/m3			10/25/21 20:46	20
2-Chlorotoluene	21	U	21	21	ug/m3			10/25/21 20:46	20
tert-Butylbenzene	22	U	22	22	ug/m3			10/25/21 20:46	20
1,2,4-Trimethylbenzene	20	U	20	20	ug/m3			10/25/21 20:46	20
sec-Butylbenzene	22	U	22	22	ug/m3			10/25/21 20:46	20
4-Isopropyltoluene	22	U	22	22	ug/m3			10/25/21 20:46	20
1,3-Dichlorobenzene	24	U	24	24	ug/m3			10/25/21 20:46	20
1,4-Dichlorobenzene	24	U	24	24	ug/m3			10/25/21 20:46	20
Benzyl chloride	21	U	21	21	ug/m3			10/25/21 20:46	20

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- GLARO

Lab Sample ID: 200-60507-1

Date Collected: 10/07/21 16:29

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	22	U	22	22	ug/m3			10/25/21 20:46	20
1,2-Dichlorobenzene	24	U	24	24	ug/m3			10/25/21 20:46	20
1,2,4-Trichlorobenzene	74	U	74	74	ug/m3			10/25/21 20:46	20
Hexachlorobutadiene	43	U	43	43	ug/m3			10/25/21 20:46	20
Naphthalene	52	U	52	52	ug/m3			10/25/21 20:46	20

Method: D1946 - Fixed Gases (Helium)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.14	U	0.14	0.14	% v/v			10/26/21 12:04	1.35

Client Sample ID: SS- MANUFACTURING

Lab Sample ID: 200-60507-2

Date Collected: 10/07/21 16:52

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
Freon 22	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
n-Butane	18		0.50	0.50	ppb v/v			10/25/21 21:38	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Trichlorofluoromethane	0.37		0.20	0.20	ppb v/v			10/25/21 21:38	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Acetone	18		5.0	5.0	ppb v/v			10/25/21 21:38	1
Isopropyl alcohol	29		5.0	5.0	ppb v/v			10/25/21 21:38	1
Carbon disulfide	0.56		0.50	0.50	ppb v/v			10/25/21 21:38	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
Methylene Chloride	0.70		0.50	0.50	ppb v/v			10/25/21 21:38	1
tert-Butyl alcohol	19		5.0	5.0	ppb v/v			10/25/21 21:38	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
n-Hexane	0.52		0.50	0.50	ppb v/v			10/25/21 21:38	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Methyl Ethyl Ketone	3.5		0.50	0.50	ppb v/v			10/25/21 21:38	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.40	ppb v/v			10/25/21 21:38	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			10/25/21 21:38	1
1,1,1-Trichloroethane	0.29		0.20	0.20	ppb v/v			10/25/21 21:38	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- MANUFACTURING

Lab Sample ID: 200-60507-2

Date Collected: 10/07/21 16:52

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.30		0.20	0.20	ppb v/v			10/25/21 21:38	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
n-Heptane	0.41		0.20	0.20	ppb v/v			10/25/21 21:38	1
Trichloroethene	3.0		0.20	0.20	ppb v/v			10/25/21 21:38	1
Methyl methacrylate	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			10/25/21 21:38	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
methyl isobutyl ketone	1.1		0.50	0.50	ppb v/v			10/25/21 21:38	1
Toluene	3.0		0.20	0.20	ppb v/v			10/25/21 21:38	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Tetrachloroethene	6.8		0.20	0.20	ppb v/v			10/25/21 21:38	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Ethylbenzene	1.4		0.20	0.20	ppb v/v			10/25/21 21:38	1
m,p-Xylene	3.4		0.50	0.50	ppb v/v			10/25/21 21:38	1
Xylene, o-	1.8		0.20	0.20	ppb v/v			10/25/21 21:38	1
Xylene (total)	5.2		0.70	0.70	ppb v/v			10/25/21 21:38	1
Styrene	0.61		0.20	0.20	ppb v/v			10/25/21 21:38	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Cumene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
n-Propylbenzene	0.31		0.20	0.20	ppb v/v			10/25/21 21:38	1
4-Ethyltoluene	0.25		0.20	0.20	ppb v/v			10/25/21 21:38	1
1,3,5-Trimethylbenzene	0.71		0.20	0.20	ppb v/v			10/25/21 21:38	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
tert-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,2,4-Trimethylbenzene	1.3		0.20	0.20	ppb v/v			10/25/21 21:38	1
sec-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
4-Isopropyltoluene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,3-Dichlorobenzene	2.1		0.20	0.20	ppb v/v			10/25/21 21:38	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Benzyl chloride	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
n-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			10/25/21 21:38	1
Naphthalene	0.50	U	0.50	0.50	ppb v/v			10/25/21 21:38	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			10/25/21 21:38	1
Freon 22	1.8	U	1.8	1.8	ug/m3			10/25/21 21:38	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			10/25/21 21:38	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			10/25/21 21:38	1
n-Butane	43		1.2	1.2	ug/m3			10/25/21 21:38	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- MANUFACTURING

Lab Sample ID: 200-60507-2

Date Collected: 10/07/21 16:52

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			10/25/21 21:38	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			10/25/21 21:38	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			10/25/21 21:38	1
Chloroethane	1.3	U	1.3	1.3	ug/m3			10/25/21 21:38	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			10/25/21 21:38	1
Trichlorofluoromethane	2.1		1.1	1.1	ug/m3			10/25/21 21:38	1
Freon TF	1.5	U	1.5	1.5	ug/m3			10/25/21 21:38	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			10/25/21 21:38	1
Acetone	42		12	12	ug/m3			10/25/21 21:38	1
Isopropyl alcohol	72		12	12	ug/m3			10/25/21 21:38	1
Carbon disulfide	1.8		1.6	1.6	ug/m3			10/25/21 21:38	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			10/25/21 21:38	1
Methylene Chloride	2.4		1.7	1.7	ug/m3			10/25/21 21:38	1
tert-Butyl alcohol	59		15	15	ug/m3			10/25/21 21:38	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			10/25/21 21:38	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			10/25/21 21:38	1
n-Hexane	1.8		1.8	1.8	ug/m3			10/25/21 21:38	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			10/25/21 21:38	1
Methyl Ethyl Ketone	10		1.5	1.5	ug/m3			10/25/21 21:38	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			10/25/21 21:38	1
1,2-Dichloroethene, Total	1.6	U	1.6	1.6	ug/m3			10/25/21 21:38	1
Chloroform	0.98	U	0.98	0.98	ug/m3			10/25/21 21:38	1
Tetrahydrofuran	15	U	15	15	ug/m3			10/25/21 21:38	1
1,1,1-Trichloroethane	1.6		1.1	1.1	ug/m3			10/25/21 21:38	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			10/25/21 21:38	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			10/25/21 21:38	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			10/25/21 21:38	1
Benzene	0.95		0.64	0.64	ug/m3			10/25/21 21:38	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			10/25/21 21:38	1
n-Heptane	1.7		0.82	0.82	ug/m3			10/25/21 21:38	1
Trichloroethene	16		1.1	1.1	ug/m3			10/25/21 21:38	1
Methyl methacrylate	2.0	U	2.0	2.0	ug/m3			10/25/21 21:38	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			10/25/21 21:38	1
1,4-Dioxane	18	U	18	18	ug/m3			10/25/21 21:38	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			10/25/21 21:38	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			10/25/21 21:38	1
methyl isobutyl ketone	4.4		2.0	2.0	ug/m3			10/25/21 21:38	1
Toluene	11		0.75	0.75	ug/m3			10/25/21 21:38	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			10/25/21 21:38	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			10/25/21 21:38	1
Tetrachloroethene	46		1.4	1.4	ug/m3			10/25/21 21:38	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			10/25/21 21:38	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			10/25/21 21:38	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			10/25/21 21:38	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			10/25/21 21:38	1
Ethylbenzene	6.0		0.87	0.87	ug/m3			10/25/21 21:38	1
m,p-Xylene	15		2.2	2.2	ug/m3			10/25/21 21:38	1
Xylene, o-	7.9		0.87	0.87	ug/m3			10/25/21 21:38	1

Client Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- MANUFACTURING

Lab Sample ID: 200-60507-2

Date Collected: 10/07/21 16:52

Matrix: Air

Date Received: 10/12/21 11:00

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	23		3.0	3.0	ug/m3			10/25/21 21:38	1
Styrene	2.6		0.85	0.85	ug/m3			10/25/21 21:38	1
Bromoform	2.1	U	2.1	2.1	ug/m3			10/25/21 21:38	1
Cumene	0.98	U	0.98	0.98	ug/m3			10/25/21 21:38	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			10/25/21 21:38	1
n-Propylbenzene	1.5		0.98	0.98	ug/m3			10/25/21 21:38	1
4-Ethyltoluene	1.2		0.98	0.98	ug/m3			10/25/21 21:38	1
1,3,5-Trimethylbenzene	3.5		0.98	0.98	ug/m3			10/25/21 21:38	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			10/25/21 21:38	1
tert-Butylbenzene	1.1	U	1.1	1.1	ug/m3			10/25/21 21:38	1
1,2,4-Trimethylbenzene	6.5		0.98	0.98	ug/m3			10/25/21 21:38	1
sec-Butylbenzene	1.1	U	1.1	1.1	ug/m3			10/25/21 21:38	1
4-Isopropyltoluene	1.1	U	1.1	1.1	ug/m3			10/25/21 21:38	1
1,3-Dichlorobenzene	13		1.2	1.2	ug/m3			10/25/21 21:38	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			10/25/21 21:38	1
Benzyl chloride	1.0	U	1.0	1.0	ug/m3			10/25/21 21:38	1
n-Butylbenzene	1.1	U	1.1	1.1	ug/m3			10/25/21 21:38	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			10/25/21 21:38	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			10/25/21 21:38	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			10/25/21 21:38	1
Naphthalene	2.6	U	2.6	2.6	ug/m3			10/25/21 21:38	1

Method: D1946 - Fixed Gases (Helium)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.14	U	0.14	0.14	% v/v			10/26/21 12:16	1.35

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-173045/4

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Freon 22	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
n-Butane	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Acetone	5.0	U	5.0	5.0	ppb v/v			10/25/21 10:09	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			10/25/21 10:09	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			10/25/21 10:09	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
n-Hexane	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.40	ppb v/v			10/25/21 10:09	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			10/25/21 10:09	1
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Benzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Methyl methacrylate	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			10/25/21 10:09	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Toluene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-173045/4

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Xylene (total)	0.70	U	0.70	0.70	ppb v/v			10/25/21 10:09	1
Styrene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Cumene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
n-Propylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
tert-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
sec-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
4-Isopropyltoluene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Benzyl chloride	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
n-Butylbenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			10/25/21 10:09	1
Naphthalene	0.50	U	0.50	0.50	ppb v/v			10/25/21 10:09	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			10/25/21 10:09	1
Freon 22	1.8	U	1.8	1.8	ug/m3			10/25/21 10:09	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			10/25/21 10:09	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			10/25/21 10:09	1
n-Butane	1.2	U	1.2	1.2	ug/m3			10/25/21 10:09	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			10/25/21 10:09	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			10/25/21 10:09	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			10/25/21 10:09	1
Chloroethane	1.3	U	1.3	1.3	ug/m3			10/25/21 10:09	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			10/25/21 10:09	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
Freon TF	1.5	U	1.5	1.5	ug/m3			10/25/21 10:09	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			10/25/21 10:09	1
Acetone	12	U	12	12	ug/m3			10/25/21 10:09	1
Isopropyl alcohol	12	U	12	12	ug/m3			10/25/21 10:09	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			10/25/21 10:09	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			10/25/21 10:09	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			10/25/21 10:09	1
tert-Butyl alcohol	15	U	15	15	ug/m3			10/25/21 10:09	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			10/25/21 10:09	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			10/25/21 10:09	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-173045/4

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	1.8	U	1.8	1.8	ug/m3			10/25/21 10:09	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			10/25/21 10:09	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			10/25/21 10:09	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			10/25/21 10:09	1
1,2-Dichloroethene, Total	1.6	U	1.6	1.6	ug/m3			10/25/21 10:09	1
Chloroform	0.98	U	0.98	0.98	ug/m3			10/25/21 10:09	1
Tetrahydrofuran	15	U	15	15	ug/m3			10/25/21 10:09	1
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			10/25/21 10:09	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			10/25/21 10:09	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			10/25/21 10:09	1
Benzene	0.64	U	0.64	0.64	ug/m3			10/25/21 10:09	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			10/25/21 10:09	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			10/25/21 10:09	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
Methyl methacrylate	2.0	U	2.0	2.0	ug/m3			10/25/21 10:09	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			10/25/21 10:09	1
1,4-Dioxane	18	U	18	18	ug/m3			10/25/21 10:09	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			10/25/21 10:09	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			10/25/21 10:09	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			10/25/21 10:09	1
Toluene	0.75	U	0.75	0.75	ug/m3			10/25/21 10:09	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			10/25/21 10:09	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			10/25/21 10:09	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			10/25/21 10:09	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			10/25/21 10:09	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			10/25/21 10:09	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			10/25/21 10:09	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			10/25/21 10:09	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			10/25/21 10:09	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			10/25/21 10:09	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			10/25/21 10:09	1
Styrene	0.85	U	0.85	0.85	ug/m3			10/25/21 10:09	1
Bromoform	2.1	U	2.1	2.1	ug/m3			10/25/21 10:09	1
Cumene	0.98	U	0.98	0.98	ug/m3			10/25/21 10:09	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			10/25/21 10:09	1
n-Propylbenzene	0.98	U	0.98	0.98	ug/m3			10/25/21 10:09	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			10/25/21 10:09	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			10/25/21 10:09	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			10/25/21 10:09	1
tert-Butylbenzene	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			10/25/21 10:09	1
sec-Butylbenzene	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
4-Isopropyltoluene	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			10/25/21 10:09	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			10/25/21 10:09	1
Benzyl chloride	1.0	U	1.0	1.0	ug/m3			10/25/21 10:09	1
n-Butylbenzene	1.1	U	1.1	1.1	ug/m3			10/25/21 10:09	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-173045/4

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			10/25/21 10:09	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			10/25/21 10:09	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			10/25/21 10:09	1
Naphthalene	2.6	U	2.6	2.6	ug/m3			10/25/21 10:09	1

Lab Sample ID: LCS 200-173045/3

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.6	12.9		ppb v/v		122	61 - 142
Freon 22	10.6	12.2		ppb v/v		115	60 - 147
1,2-Dichlorotetrafluoroethane	10.6	12.6		ppb v/v		119	71 - 141
Chloromethane	9.94	12.4		ppb v/v		125	56 - 141
n-Butane	10.3	10.2		ppb v/v		99	53 - 151
Vinyl chloride	9.99	10.7		ppb v/v		107	61 - 135
1,3-Butadiene	9.70	9.43		ppb v/v		97	58 - 139
Bromomethane	10.4	11.8		ppb v/v		114	72 - 124
Chloroethane	10.6	11.1		ppb v/v		105	68 - 130
Bromoethene(Vinyl Bromide)	10.0	11.6		ppb v/v		116	75 - 125
Trichlorofluoromethane	10.4	11.9		ppb v/v		114	70 - 129
Freon TF	10.7	10.9		ppb v/v		102	70 - 121
1,1-Dichloroethene	10.2	10.3		ppb v/v		101	68 - 120
Acetone	10.4	10.0		ppb v/v		96	54 - 154
Isopropyl alcohol	10.2	10.1		ppb v/v		100	53 - 142
Carbon disulfide	10.4	9.92		ppb v/v		96	71 - 138
3-Chloropropene	10.7	10.8		ppb v/v		101	50 - 150
Methylene Chloride	10.2	9.93		ppb v/v		97	59 - 137
tert-Butyl alcohol	10.8	10.9		ppb v/v		101	66 - 132
Methyl tert-butyl ether	10.6	10.8		ppb v/v		103	70 - 127
trans-1,2-Dichloroethene	10.3	10.4		ppb v/v		100	69 - 137
n-Hexane	10.5	10.1		ppb v/v		97	63 - 138
1,1-Dichloroethane	10.3	9.50		ppb v/v		93	66 - 130
Methyl Ethyl Ketone	10.4	10.4		ppb v/v		101	72 - 124
cis-1,2-Dichloroethene	10.4	10.0		ppb v/v		96	72 - 121
Chloroform	10.3	10.2		ppb v/v		99	73 - 124
Tetrahydrofuran	9.81	9.71		ppb v/v		99	60 - 149
1,1,1-Trichloroethane	10.3	11.2		ppb v/v		109	72 - 127
Cyclohexane	10.2	10.3		ppb v/v		101	76 - 124
Carbon tetrachloride	10.0	11.4		ppb v/v		114	71 - 133
2,2,4-Trimethylpentane	10.1	10.5		ppb v/v		103	68 - 131
Benzene	10.4	10.1		ppb v/v		97	73 - 119
1,2-Dichloroethane	10.5	11.4		ppb v/v		109	68 - 135
n-Heptane	10.3	10.3		ppb v/v		100	60 - 142
Trichloroethene	10.3	11.8		ppb v/v		115	73 - 122
Methyl methacrylate	10.2	10.7		ppb v/v		105	73 - 129
1,2-Dichloropropane	10.3	10.1		ppb v/v		98	69 - 128
1,4-Dioxane	10.3	11.1		ppb v/v		108	66 - 129
Bromodichloromethane	10.3	11.1		ppb v/v		108	75 - 127

Eurofins TestAmerica, Burlington

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-173045/3

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	9.94	11.0		ppb v/v		110	74 - 125
methyl isobutyl ketone	10.2	10.7		ppb v/v		105	58 - 144
Toluene	10.2	10.4		ppb v/v		102	75 - 122
trans-1,3-Dichloropropene	9.85	10.9		ppb v/v		111	74 - 128
1,1,2-Trichloroethane	10.5	10.3		ppb v/v		98	75 - 126
Tetrachloroethene	10.5	11.0		ppb v/v		105	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.1	10.2		ppb v/v		100	57 - 143
Dibromochloromethane	10.6	10.2		ppb v/v		96	73 - 125
1,2-Dibromoethane	10.7	11.1		ppb v/v		104	78 - 122
Chlorobenzene	10.5	10.8		ppb v/v		103	76 - 119
Ethylbenzene	10.2	10.8		ppb v/v		105	74 - 122
m,p-Xylene	20.0	23.3		ppb v/v		117	76 - 121
Xylene, o-	10.4	11.1		ppb v/v		107	73 - 123
Styrene	10.3	11.9		ppb v/v		116	74 - 125
Bromoform	10.3	10.4		ppb v/v		101	53 - 149
Cumene	10.5	11.6		ppb v/v		111	73 - 123
1,1,2,2-Tetrachloroethane	10.3	9.88		ppb v/v		96	74 - 126
n-Propylbenzene	10.4	11.8		ppb v/v		113	73 - 127
4-Ethyltoluene	10.2	11.8		ppb v/v		115	75 - 129
1,3,5-Trimethylbenzene	10.5	12.0		ppb v/v		115	72 - 126
2-Chlorotoluene	10.4	11.5		ppb v/v		110	74 - 126
tert-Butylbenzene	10.4	12.0		ppb v/v		115	71 - 125
1,2,4-Trimethylbenzene	10.4	12.4		ppb v/v		119	71 - 129
sec-Butylbenzene	10.5	12.1		ppb v/v		116	70 - 128
4-Isopropyltoluene	10.5	12.3		ppb v/v		117	68 - 130
1,3-Dichlorobenzene	10.2	13.2		ppb v/v		130	69 - 131
1,4-Dichlorobenzene	10.4	13.3		ppb v/v		128	67 - 132
Benzyl chloride	10.2	13.1		ppb v/v		129	60 - 136
n-Butylbenzene	10.5	13.3		ppb v/v		126	65 - 137
1,2-Dichlorobenzene	10.8	12.4		ppb v/v		115	68 - 129
1,2,4-Trichlorobenzene	11.0	13.7		ppb v/v		124	50 - 150
Hexachlorobutadiene	10.8	13.6		ppb v/v		125	58 - 130
Naphthalene	10.5	13.1		ppb v/v		124	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52	63.6		ug/m3		122	61 - 142
Freon 22	37	43.2		ug/m3		115	60 - 147
1,2-Dichlorotetrafluoroethane	74	88.0		ug/m3		119	71 - 141
Chloromethane	21	25.6		ug/m3		125	56 - 141
n-Butane	24	24.3		ug/m3		99	53 - 151
Vinyl chloride	26	27.4		ug/m3		107	61 - 135
1,3-Butadiene	21	20.9		ug/m3		97	58 - 139
Bromomethane	40	45.9		ug/m3		114	72 - 124
Chloroethane	28	29.2		ug/m3		105	68 - 130
Bromoethene(Vinyl Bromide)	44	50.9		ug/m3		116	75 - 125
Trichlorofluoromethane	58	66.9		ug/m3		114	70 - 129
Freon TF	82	83.5		ug/m3		102	70 - 121
1,1-Dichloroethene	40	40.7		ug/m3		101	68 - 120

Eurofins TestAmerica, Burlington

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-173045/3

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	25	23.9		ug/m3		96	54 - 154
Isopropyl alcohol	25	24.9		ug/m3		100	53 - 142
Carbon disulfide	32	30.9		ug/m3		96	71 - 138
3-Chloropropene	34	34.0		ug/m3		101	50 - 150
Methylene Chloride	36	34.5		ug/m3		97	59 - 137
tert-Butyl alcohol	33	33.1		ug/m3		101	66 - 132
Methyl tert-butyl ether	38	39.1		ug/m3		103	70 - 127
trans-1,2-Dichloroethene	41	41.2		ug/m3		100	69 - 137
n-Hexane	37	35.6		ug/m3		97	63 - 138
1,1-Dichloroethane	42	38.4		ug/m3		93	66 - 130
Methyl Ethyl Ketone	31	30.8		ug/m3		101	72 - 124
cis-1,2-Dichloroethene	41	39.7		ug/m3		96	72 - 121
Chloroform	50	49.9		ug/m3		99	73 - 124
Tetrahydrofuran	29	28.6		ug/m3		99	60 - 149
1,1,1-Trichloroethane	56	61.1		ug/m3		109	72 - 127
Cyclohexane	35	35.5		ug/m3		101	76 - 124
Carbon tetrachloride	63	71.9		ug/m3		114	71 - 133
2,2,4-Trimethylpentane	47	48.8		ug/m3		103	68 - 131
Benzene	33	32.3		ug/m3		97	73 - 119
1,2-Dichloroethane	42	46.1		ug/m3		109	68 - 135
n-Heptane	42	42.4		ug/m3		100	60 - 142
Trichloroethene	55	63.4		ug/m3		115	73 - 122
Methyl methacrylate	42	43.7		ug/m3		105	73 - 129
1,2-Dichloropropane	48	46.8		ug/m3		98	69 - 128
1,4-Dioxane	37	40.0		ug/m3		108	66 - 129
Bromodichloromethane	69	74.2		ug/m3		108	75 - 127
cis-1,3-Dichloropropene	45	49.7		ug/m3		110	74 - 125
methyl isobutyl ketone	42	44.0		ug/m3		105	58 - 144
Toluene	38	39.1		ug/m3		102	75 - 122
trans-1,3-Dichloropropene	45	49.6		ug/m3		111	74 - 128
1,1,2-Trichloroethane	57	56.0		ug/m3		98	75 - 126
Tetrachloroethene	71	74.5		ug/m3		105	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41	41.6		ug/m3		100	57 - 143
Dibromochloromethane	90	86.9		ug/m3		96	73 - 125
1,2-Dibromoethane	82	85.4		ug/m3		104	78 - 122
Chlorobenzene	48	49.6		ug/m3		103	76 - 119
Ethylbenzene	44	46.8		ug/m3		105	74 - 122
m,p-Xylene	87	101		ug/m3		117	76 - 121
Xylene, o-	45	48.1		ug/m3		107	73 - 123
Styrene	44	50.6		ug/m3		116	74 - 125
Bromoform	110	107		ug/m3		101	53 - 149
Cumene	51	57.1		ug/m3		111	73 - 123
1,1,2,2-Tetrachloroethane	71	67.8		ug/m3		96	74 - 126
n-Propylbenzene	51	57.8		ug/m3		113	73 - 127
4-Ethyltoluene	50	58.2		ug/m3		115	75 - 129
1,3,5-Trimethylbenzene	52	59.0		ug/m3		115	72 - 126
2-Chlorotoluene	54	59.4		ug/m3		110	74 - 126
tert-Butylbenzene	57	65.6		ug/m3		115	71 - 125

QC Sample Results

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-173045/3

Matrix: Air

Analysis Batch: 173045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	51	61.1		ug/m3		119	71 - 129
sec-Butylbenzene	57	66.4		ug/m3		116	70 - 128
4-Isopropyltoluene	58	67.6		ug/m3		117	68 - 130
1,3-Dichlorobenzene	61	79.6		ug/m3		130	69 - 131
1,4-Dichlorobenzene	63	79.9		ug/m3		128	67 - 132
Benzyl chloride	53	67.8		ug/m3		129	60 - 136
n-Butylbenzene	58	72.8		ug/m3		126	65 - 137
1,2-Dichlorobenzene	65	74.7		ug/m3		115	68 - 129
1,2,4-Trichlorobenzene	81	101		ug/m3		124	50 - 150
Hexachlorobutadiene	120	145		ug/m3		125	58 - 130
Naphthalene	55	68.5		ug/m3		124	50 - 150

Method: D1946 - Fixed Gases (Helium)

Lab Sample ID: MB 200-173114/4

Matrix: Air

Analysis Batch: 173114

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Helium	0.10	U	0.10	0.10	% v/v			10/26/21 11:53	1

Lab Sample ID: LCS 200-173114/2

Matrix: Air

Analysis Batch: 173114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Helium	5.00	5.17		% v/v		103	70 - 130

Lab Sample ID: LCSD 200-173114/3

Matrix: Air

Analysis Batch: 173114

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Helium	5.00	5.33		% v/v		107	70 - 130	3	30

Definitions/Glossary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Air - GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Air - GC/MS VOA

Analysis Batch: 173045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-60507-1	SS- GLARO	Total/NA	Air	TO-15	
200-60507-2	SS- MANUFACTURING	Total/NA	Air	TO-15	
MB 200-173045/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-173045/3	Lab Control Sample	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 173114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-60507-1	SS- GLARO	Total/NA	Air	D1946	
200-60507-2	SS- MANUFACTURING	Total/NA	Air	D1946	
MB 200-173114/4	Method Blank	Total/NA	Air	D1946	
LCS 200-173114/2	Lab Control Sample	Total/NA	Air	D1946	
LCSD 200-173114/3	Lab Control Sample Dup	Total/NA	Air	D1946	

Lab Chronicle

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Client Sample ID: SS- GLARO

Lab Sample ID: 200-60507-1

Date Collected: 10/07/21 16:29

Matrix: Air

Date Received: 10/12/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		20	173045	10/25/21 20:46	K1P	TAL BUR
Total/NA	Analysis	D1946		1.35	173114	10/26/21 12:04	MJZ	TAL BUR

Client Sample ID: SS- MANUFACTURING

Lab Sample ID: 200-60507-2

Date Collected: 10/07/21 16:52

Matrix: Air

Date Received: 10/12/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	173045	10/25/21 21:38	K1P	TAL BUR
Total/NA	Analysis	D1946		1.35	173114	10/26/21 12:16	MJZ	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Environmental Assessment & Remediations
Project/Site: Glaro-Happauge

Job ID: 200-60507-1
SDG: 200-60507-1

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
D1946		Air	Helium
TO-15		Air	1,2-Dichloroethene, Total
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Cumene
TO-15		Air	Freon 22
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1

SDG No.: 200-60507-1

Matrix: Air Level: Low Lab File ID: 48130-003.d

Lab ID: LCS 200-173045/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.6	12.9	122	61-142	
Freon 22	10.6	12.2	115	60-147	
1,2-Dichlorotetrafluoroethane	10.6	12.6	119	71-141	
Chloromethane	9.94	12.4	125	56-141	
n-Butane	10.3	10.2	99	53-151	
Vinyl chloride	9.99	10.7	107	61-135	
1,3-Butadiene	9.70	9.43	97	58-139	
Bromomethane	10.4	11.8	114	72-124	
Chloroethane	10.6	11.1	105	68-130	
Bromoethene (Vinyl Bromide)	10.0	11.6	116	75-125	
Trichlorofluoromethane	10.4	11.9	114	70-129	
Freon TF	10.7	10.9	102	70-121	
1,1-Dichloroethene	10.2	10.3	101	68-120	
Acetone	10.4	10.0	96	54-154	
Isopropyl alcohol	10.2	10.1	100	53-142	
Carbon disulfide	10.4	9.92	96	71-138	
3-Chloropropene	10.7	10.8	101	50-150	
Methylene Chloride	10.2	9.93	97	59-137	
tert-Butyl alcohol	10.8	10.9	101	66-132	
Methyl tert-butyl ether	10.6	10.8	103	70-127	
trans-1,2-Dichloroethene	10.3	10.4	100	69-137	
n-Hexane	10.5	10.1	97	63-138	
1,1-Dichloroethane	10.3	9.50	93	66-130	
Methyl Ethyl Ketone	10.4	10.4	101	72-124	
cis-1,2-Dichloroethene	10.4	10.0	96	72-121	
Chloroform	10.3	10.2	99	73-124	
Tetrahydrofuran	9.81	9.71	99	60-149	
1,1,1-Trichloroethane	10.3	11.2	109	72-127	
Cyclohexane	10.2	10.3	101	76-124	
Carbon tetrachloride	10.0	11.4	114	71-133	
2,2,4-Trimethylpentane	10.1	10.5	103	68-131	
Benzene	10.4	10.1	97	73-119	
1,2-Dichloroethane	10.5	11.4	109	68-135	
n-Heptane	10.3	10.3	100	60-142	
Trichloroethene	10.3	11.8	115	73-122	
Methyl methacrylate	10.2	10.7	105	73-129	
1,2-Dichloropropane	10.3	10.1	98	69-128	
1,4-Dioxane	10.3	11.1	108	66-129	
Bromodichloromethane	10.3	11.1	108	75-127	
cis-1,3-Dichloropropene	9.94	11.0	110	74-125	
methyl isobutyl ketone	10.2	10.7	105	58-144	
Toluene	10.2	10.4	102	75-122	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1

SDG No.: 200-60507-1

Matrix: Air Level: Low Lab File ID: 48130-003.d

Lab ID: LCS 200-173045/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	9.85	10.9	111	74-128	
1,1,2-Trichloroethane	10.5	10.3	98	75-126	
Tetrachloroethene	10.5	11.0	105	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.1	10.2	100	57-143	
Dibromochloromethane	10.6	10.2	96	73-125	
1,2-Dibromoethane	10.7	11.1	104	78-122	
Chlorobenzene	10.5	10.8	103	76-119	
Ethylbenzene	10.2	10.8	105	74-122	
m,p-Xylene	20.0	23.3	117	76-121	
Xylene, o-	10.4	11.1	107	73-123	
Styrene	10.3	11.9	116	74-125	
Bromoform	10.3	10.4	101	53-149	
Cumene	10.5	11.6	111	73-123	
1,1,2,2-Tetrachloroethane	10.3	9.88	96	74-126	
n-Propylbenzene	10.4	11.8	113	73-127	
4-Ethyltoluene	10.2	11.8	115	75-129	
1,3,5-Trimethylbenzene	10.5	12.0	115	72-126	
2-Chlorotoluene	10.4	11.5	110	74-126	
tert-Butylbenzene	10.4	12.0	115	71-125	
1,2,4-Trimethylbenzene	10.4	12.4	119	71-129	
sec-Butylbenzene	10.5	12.1	116	70-128	
4-Isopropyltoluene	10.5	12.3	117	68-130	
1,3-Dichlorobenzene	10.2	13.2	130	69-131	
1,4-Dichlorobenzene	10.4	13.3	128	67-132	
Benzyl chloride	10.2	13.1	129	60-136	
n-Butylbenzene	10.5	13.3	126	65-137	
1,2-Dichlorobenzene	10.8	12.4	115	68-129	
1,2,4-Trichlorobenzene	11.0	13.7	124	50-150	
Hexachlorobutadiene	10.8	13.6	125	58-130	
Naphthalene	10.5	13.1	124	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab File ID: 48130-004.d Lab Sample ID: MB 200-173045/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 10/25/2021 10:09
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 200-173045/3	48130-003.d	10/25/2021 09:17
SS- GLARO	200-60507-1	48130-016.d	10/25/2021 20:46
SS- MANUFACTURING	200-60507-2	48130-017.d	10/25/2021 21:38

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab File ID: 48067-001.d BFB Injection Date: 10/20/2021
Instrument ID: CHW.i BFB Injection Time: 09:29
Analysis Batch No.: 172887

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.8
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 120.0% of mass 95	90.3
175	4.0 - 9.0 % of mass 174	6.6 (7.4) 1
176	93.0 - 101.0% of mass 174	87.4 (96.8) 1
177	5.0 - 9.0% of mass 176	5.9 (6.8) 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 200-172887/3	48067-003.d	10/20/2021	11:14
	IC 200-172887/4	48067-004.d	10/20/2021	12:07
	IC 200-172887/7	48067-007.d	10/20/2021	14:46
	ICIS 200-172887/8	48067-008.d	10/20/2021	15:39
	IC 200-172887/12	48067-012.d	10/20/2021	19:10
	IC 200-172887/13	48067-013.d	10/20/2021	20:02
	IC 200-172887/14	48067-014.d	10/20/2021	20:55
	IC 200-172887/21	48067-021.d	10/21/2021	9:19

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab File ID: 48089-001.d BFB Injection Date: 10/21/2021
Instrument ID: CHW.i BFB Injection Time: 10:58
Analysis Batch No.: 172945

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.2
75	30.0 - 66.0% of mass 95	42.9
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	97.1
175	4.0 - 9.0 % of mass 174	7.0 (7.2) 1
176	93.0 - 101.0% of mass 174	95.1 (98.0) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 200-172945/2	48089-002.d	10/21/2021	11:49

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab File ID: 48130-001.d BFB Injection Date: 10/25/2021
Instrument ID: CHW.i BFB Injection Time: 07:33
Analysis Batch No.: 173045

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	44.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.7) 1
174	50.0 - 120.0% of mass 95	91.5
175	4.0 - 9.0 % of mass 174	6.8 (7.4) 1
176	93.0 - 101.0% of mass 174	89.4 (97.7) 1
177	5.0 - 9.0% of mass 176	5.9 (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 200-173045/2	48130-002.d	10/25/2021	8:24
	LCS 200-173045/3	48130-003.d	10/25/2021	9:17
	MB 200-173045/4	48130-004.d	10/25/2021	10:09
SS- GLARO	200-60507-1	48130-016.d	10/25/2021	20:46
SS- MANUFACTURING	200-60507-2	48130-017.d	10/25/2021	21:38

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Sample No.: ICIS 200-172887/8 Date Analyzed: 10/20/2021 15:39
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 48067-008.d Heated Purge: (Y/N) N
 Calibration ID: 46886

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		131197	11.38	604175	13.23	528643	18.72
UPPER LIMIT		183676	11.71	845845	13.56	740100	19.05
LOWER LIMIT		78718	11.05	362505	12.90	317186	18.39
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-172945/2		118660	11.38	554140	13.24	486287	18.72

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = 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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Sample No.: CCVIS 200-173045/2 Date Analyzed: 10/25/2021 08:24
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 48130-002.d Heated Purge: (Y/N) N
 Calibration ID: 46886

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	109670	11.39	485613	13.23	400743	18.72	
UPPER LIMIT	153538	11.72	679858	13.56	561040	19.05	
LOWER LIMIT	65802	11.06	291368	12.90	240446	18.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-173045/3		98567	11.39	441273	13.23	389711	18.72
MB 200-173045/4		90845	11.38	426285	13.23	335606	18.72
200-60507-1	SS- GLARO	90699	11.38	412991	13.23	350664	18.72
200-60507-2	SS- MANUFACTURING	89006	11.39	387164	13.23	337824	18.72

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = 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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1
 Matrix: Air Lab File ID: 48130-016.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:29
 Sample wt/vol: 10 (mL) Date Analyzed: 10/25/2021 20:46
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	10	U	10	10
75-45-6	Freon 22	86.47	10	U	10	10
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.0	U	4.0	4.0
74-87-3	Chloromethane	50.49	10	U	10	10
106-97-8	n-Butane	58.12	10	U	10	10
75-01-4	Vinyl chloride	62.50	4.0	U	4.0	4.0
106-99-0	1,3-Butadiene	54.09	4.0	U	4.0	4.0
74-83-9	Bromomethane	94.94	4.0	U	4.0	4.0
75-00-3	Chloroethane	64.52	10	U	10	10
593-60-2	Bromoethene (Vinyl Bromide)	106.96	4.0	U	4.0	4.0
75-69-4	Trichlorofluoromethane	137.37	4.0	U	4.0	4.0
76-13-1	Freon TF	187.38	4.0	U	4.0	4.0
75-35-4	1,1-Dichloroethene	96.94	4.0	U	4.0	4.0
67-64-1	Acetone	58.08	100	U	100	100
67-63-0	Isopropyl alcohol	60.10	100	U	100	100
75-15-0	Carbon disulfide	76.14	10	U	10	10
107-05-1	3-Chloropropene	76.53	10	U	10	10
75-09-2	Methylene Chloride	84.93	10	U	10	10
75-65-0	tert-Butyl alcohol	74.12	100	U	100	100
1634-04-4	Methyl tert-butyl ether	88.15	4.0	U	4.0	4.0
156-60-5	trans-1,2-Dichloroethene	96.94	4.0	U	4.0	4.0
110-54-3	n-Hexane	86.17	10	U	10	10
75-34-3	1,1-Dichloroethane	98.96	4.0	U	4.0	4.0
78-93-3	Methyl Ethyl Ketone	72.11	10	U	10	10
156-59-2	cis-1,2-Dichloroethene	96.94	4.0	U	4.0	4.0
540-59-0	1,2-Dichloroethene, Total	96.94	8.0	U	8.0	8.0
67-66-3	Chloroform	119.38	4.6		4.0	4.0
109-99-9	Tetrahydrofuran	72.11	100	U	100	100
71-55-6	1,1,1-Trichloroethane	133.41	7.6		4.0	4.0
110-82-7	Cyclohexane	84.16	4.0	U	4.0	4.0
56-23-5	Carbon tetrachloride	153.81	4.0	U	4.0	4.0
540-84-1	2,2,4-Trimethylpentane	114.23	4.0	U	4.0	4.0
71-43-2	Benzene	78.11	4.0	U	4.0	4.0
107-06-2	1,2-Dichloroethane	98.96	4.0	U	4.0	4.0

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1
 Matrix: Air Lab File ID: 48130-016.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:29
 Sample wt/vol: 10 (mL) Date Analyzed: 10/25/2021 20:46
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	4.0	U	4.0	4.0
79-01-6	Trichloroethene	131.39	11		4.0	4.0
80-62-6	Methyl methacrylate	100.12	10	U	10	10
78-87-5	1,2-Dichloropropane	112.99	4.0	U	4.0	4.0
123-91-1	1,4-Dioxane	88.11	100	U	100	100
75-27-4	Bromodichloromethane	163.83	4.0	U	4.0	4.0
10061-01-5	cis-1,3-Dichloropropene	110.97	4.0	U	4.0	4.0
108-10-1	methyl isobutyl ketone	100.16	10	U	10	10
108-88-3	Toluene	92.14	4.0	U	4.0	4.0
10061-02-6	trans-1,3-Dichloropropene	110.97	4.0	U	4.0	4.0
79-00-5	1,1,2-Trichloroethane	133.41	4.0	U	4.0	4.0
127-18-4	Tetrachloroethene	165.83	520		4.0	4.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10	U	10	10
124-48-1	Dibromochloromethane	208.28	4.0	U	4.0	4.0
106-93-4	1,2-Dibromoethane	187.87	4.0	U	4.0	4.0
108-90-7	Chlorobenzene	112.56	4.0	U	4.0	4.0
100-41-4	Ethylbenzene	106.17	4.0	U	4.0	4.0
179601-23-1	m,p-Xylene	106.17	10	U	10	10
95-47-6	Xylene, o-	106.17	4.0	U	4.0	4.0
1330-20-7	Xylene (total)	106.17	14	U	14	14
100-42-5	Styrene	104.15	4.0	U	4.0	4.0
75-25-2	Bromoform	252.75	4.0	U	4.0	4.0
98-82-8	Cumene	120.19	4.0	U	4.0	4.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.0	U	4.0	4.0
103-65-1	n-Propylbenzene	120.19	4.0	U	4.0	4.0
622-96-8	4-Ethyltoluene	120.20	4.0	U	4.0	4.0
108-67-8	1,3,5-Trimethylbenzene	120.20	4.0	U	4.0	4.0
95-49-8	2-Chlorotoluene	126.59	4.0	U	4.0	4.0
98-06-6	tert-Butylbenzene	134.22	4.0	U	4.0	4.0
95-63-6	1,2,4-Trimethylbenzene	120.20	4.0	U	4.0	4.0
135-98-8	sec-Butylbenzene	134.22	4.0	U	4.0	4.0
99-87-6	4-Isopropyltoluene	134.22	4.0	U	4.0	4.0
541-73-1	1,3-Dichlorobenzene	147.00	4.0	U	4.0	4.0
106-46-7	1,4-Dichlorobenzene	147.00	4.0	U	4.0	4.0

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1
Matrix: Air Lab File ID: 48130-016.d
Analysis Method: TO-15 Date Collected: 10/07/2021 16:29
Sample wt/vol: 10 (mL) Date Analyzed: 10/25/2021 20:46
Soil Aliquot Vol: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	4.0	U	4.0	4.0
104-51-8	n-Butylbenzene	134.22	4.0	U	4.0	4.0
95-50-1	1,2-Dichlorobenzene	147.00	4.0	U	4.0	4.0
120-82-1	1,2,4-Trichlorobenzene	181.45	10	U	10	10
87-68-3	Hexachlorobutadiene	260.76	4.0	U	4.0	4.0
91-20-3	Naphthalene	128.17	10	U	10	10

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1
 Matrix: Air Lab File ID: 48130-016.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:29
 Sample wt/vol: 10 (mL) Date Analyzed: 10/25/2021 20:46
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	49	U	49	49
75-45-6	Freon 22	86.47	35	U	35	35
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	28	U	28	28
74-87-3	Chloromethane	50.49	21	U	21	21
106-97-8	n-Butane	58.12	24	U	24	24
75-01-4	Vinyl chloride	62.50	10	U	10	10
106-99-0	1,3-Butadiene	54.09	8.8	U	8.8	8.8
74-83-9	Bromomethane	94.94	16	U	16	16
75-00-3	Chloroethane	64.52	26	U	26	26
593-60-2	Bromoethene (Vinyl Bromide)	106.96	17	U	17	17
75-69-4	Trichlorofluoromethane	137.37	22	U	22	22
76-13-1	Freon TF	187.38	31	U	31	31
75-35-4	1,1-Dichloroethene	96.94	16	U	16	16
67-64-1	Acetone	58.08	240	U	240	240
67-63-0	Isopropyl alcohol	60.10	250	U	250	250
75-15-0	Carbon disulfide	76.14	31	U	31	31
107-05-1	3-Chloropropene	76.53	31	U	31	31
75-09-2	Methylene Chloride	84.93	35	U	35	35
75-65-0	tert-Butyl alcohol	74.12	300	U	300	300
1634-04-4	Methyl tert-butyl ether	88.15	14	U	14	14
156-60-5	trans-1,2-Dichloroethene	96.94	16	U	16	16
110-54-3	n-Hexane	86.17	35	U	35	35
75-34-3	1,1-Dichloroethane	98.96	16	U	16	16
78-93-3	Methyl Ethyl Ketone	72.11	29	U	29	29
156-59-2	cis-1,2-Dichloroethene	96.94	16	U	16	16
540-59-0	1,2-Dichloroethene, Total	96.94	32	U	32	32
67-66-3	Chloroform	119.38	22		20	20
109-99-9	Tetrahydrofuran	72.11	290	U	290	290
71-55-6	1,1,1-Trichloroethane	133.41	42		22	22
110-82-7	Cyclohexane	84.16	14	U	14	14
56-23-5	Carbon tetrachloride	153.81	25	U	25	25
540-84-1	2,2,4-Trimethylpentane	114.23	19	U	19	19
71-43-2	Benzene	78.11	13	U	13	13
107-06-2	1,2-Dichloroethane	98.96	16	U	16	16

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1

SDG No.: 200-60507-1

Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1

Matrix: Air Lab File ID: 48130-016.d

Analysis Method: TO-15 Date Collected: 10/07/2021 16:29

Sample wt/vol: 10 (mL) Date Analyzed: 10/25/2021 20:46

Soil Aliquot Vol: _____ Dilution Factor: 20

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	16	U	16	16
79-01-6	Trichloroethene	131.39	59		21	21
80-62-6	Methyl methacrylate	100.12	41	U	41	41
78-87-5	1,2-Dichloropropane	112.99	18	U	18	18
123-91-1	1,4-Dioxane	88.11	360	U	360	360
75-27-4	Bromodichloromethane	163.83	27	U	27	27
10061-01-5	cis-1,3-Dichloropropene	110.97	18	U	18	18
108-10-1	methyl isobutyl ketone	100.16	41	U	41	41
108-88-3	Toluene	92.14	15	U	15	15
10061-02-6	trans-1,3-Dichloropropene	110.97	18	U	18	18
79-00-5	1,1,2-Trichloroethane	133.41	22	U	22	22
127-18-4	Tetrachloroethene	165.83	3500		27	27
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	41	U	41	41
124-48-1	Dibromochloromethane	208.28	34	U	34	34
106-93-4	1,2-Dibromoethane	187.87	31	U	31	31
108-90-7	Chlorobenzene	112.56	18	U	18	18
100-41-4	Ethylbenzene	106.17	17	U	17	17
179601-23-1	m,p-Xylene	106.17	43	U	43	43
95-47-6	Xylene, o-	106.17	17	U	17	17
1330-20-7	Xylene (total)	106.17	61	U	61	61
100-42-5	Styrene	104.15	17	U	17	17
75-25-2	Bromoform	252.75	41	U	41	41
98-82-8	Cumene	120.19	20	U	20	20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	27	U	27	27
103-65-1	n-Propylbenzene	120.19	20	U	20	20
622-96-8	4-Ethyltoluene	120.20	20	U	20	20
108-67-8	1,3,5-Trimethylbenzene	120.20	20	U	20	20
95-49-8	2-Chlorotoluene	126.59	21	U	21	21
98-06-6	tert-Butylbenzene	134.22	22	U	22	22
95-63-6	1,2,4-Trimethylbenzene	120.20	20	U	20	20
135-98-8	sec-Butylbenzene	134.22	22	U	22	22
99-87-6	4-Isopropyltoluene	134.22	22	U	22	22
541-73-1	1,3-Dichlorobenzene	147.00	24	U	24	24
106-46-7	1,4-Dichlorobenzene	147.00	24	U	24	24

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1
Matrix: Air Lab File ID: 48130-016.d
Analysis Method: TO-15 Date Collected: 10/07/2021 16:29
Sample wt/vol: 10 (mL) Date Analyzed: 10/25/2021 20:46
Soil Aliquot Vol: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	21	U	21	21
104-51-8	n-Butylbenzene	134.22	22	U	22	22
95-50-1	1,2-Dichlorobenzene	147.00	24	U	24	24
120-82-1	1,2,4-Trichlorobenzene	181.45	74	U	74	74
87-68-3	Hexachlorobutadiene	260.76	43	U	43	43
91-20-3	Naphthalene	128.17	52	U	52	52

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
 Lims ID: 200-60507-A-1
 Client ID: SS- GLARO
 Sample Type: Client
 Inject. Date: 25-Oct-2021 20:46:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 200.000 mL Dil. Factor: 20.0000
 Sample Info: 200-0048130-016
 Misc. Info.: 60507-1
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Oct-2021 15:09:33 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: puangmaleek

Date: 26-Oct-2021 15:09:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.212				ND	7
3 Chlorodifluoromethane	51		4.260				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.586				ND	
5 Chloromethane	50		4.693				ND	
6 Vinyl chloride	62		5.009				ND	
7 Butane	43	5.020	5.012	0.006	97	4003	0.2269	
8 Butadiene	54		5.132				ND	
9 Bromomethane	94		5.849				ND	
10 Chloroethane	64		6.127				ND	
13 Vinyl bromide	106		6.550				ND	
14 Trichlorofluoromethane	101	6.705	6.712	-0.010	1	1367	0.0338	
20 1,1-Dichloroethene	96		7.780				ND	
21 112TCTFE	101		7.823				ND	
22 Acetone	43		7.876				ND	7
24 Isopropyl alcohol	45	8.245	8.177	0.064	97	2150	0.1626	
23 Carbon disulfide	76	8.187	8.183	0.000	99	2096	0.0615	
26 3-Chloro-1-propene	41		8.481				ND	
27 Methylene Chloride	49		8.711				ND	7
28 2-Methyl-2-propanol	59		8.957				ND	
30 trans-1,2-Dichloroethene	61		9.214				ND	
31 Methyl tert-butyl ether	73		9.235				ND	
32 Hexane	57		9.722				ND	
33 1,1-Dichloroethane	63		9.979				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
37 2-Butanone (MEK)	72		10.952				ND	
36 cis-1,2-Dichloroethene	96		10.974				ND	
* 39 Chlorobromomethane	128	11.380	11.386	-0.006	69	90699	10.0	
40 Tetrahydrofuran	42	11.493	11.444	0.048	46	655	0.0951	
41 Chloroform	83	11.562	11.562	0.000	96	5245	0.2288	M
42 1,1,1-Trichloroethane	97	11.856	11.867	-0.011	93	9761	0.3814	
43 Cyclohexane	84		12.006				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117		12.151				ND	
45 Benzene	78		12.493				ND	7
46 1,2-Dichloroethane	62		12.568				ND	
47 Isooctane	57		12.712				ND	
48 n-Heptane	43		13.023				ND	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	412991	10.0	
51 Trichloroethene	95	13.659	13.664	-0.006	91	8311	0.5481	
53 1,2-Dichloropropane	63		14.125				ND	
55 Methyl methacrylate	69		14.216				ND	
57 1,4-Dioxane	88		14.269				ND	
58 Dichlorobromomethane	83		14.590				ND	
60 cis-1,3-Dichloropropene	75		15.398				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.665				ND	
62 Toluene	92	16.035	16.030	0.000	92	3399	0.1426	
64 trans-1,3-Dichloropropene	75		16.452				ND	
65 1,1,2-Trichloroethane	83		16.826				ND	U
66 Tetrachloroethene	166	17.030	17.025	0.000	95	709367	25.8	
67 2-Hexanone	43		17.249				ND	
68 Chlorodibromomethane	129		17.565				ND	
69 Ethylene Dibromide	107		17.805				ND	
* 70 Chlorobenzene-d5	117	18.715	18.720	-0.005	82	350664	10.0	
72 Chlorobenzene	112		18.774				ND	
73 Ethylbenzene	91	18.972	18.966	0.000	92	2558	0.0492	
74 m-Xylene & p-Xylene	106	19.212	19.212	-0.022	0	2028	0.1042	M
76 o-Xylene	106	20.004	19.998	0.000	92	1270	0.0620	
77 Styrene	104		20.042				ND	U
S 78 Xylenes, Total	106				0		0.1662	
79 Bromoform	173		20.395				ND	
80 Isopropylbenzene	105		20.716				ND	7
81 1,1,2,2-Tetrachloroethane	83		21.235				ND	7
83 N-Propylbenzene	91		21.438				ND	7
84 2-Chlorotoluene	91		21.582				ND	7
85 4-Ethyltoluene	105		21.636				ND	U
86 1,3,5-Trimethylbenzene	105	21.732	21.726	0.000	86	1076	0.0221	
89 tert-Butylbenzene	119		22.214				ND	
90 1,2,4-Trimethylbenzene	105	22.310	22.293	0.011	90	1893	0.0406	
91 sec-Butylbenzene	105		22.540				ND	
92 1,3-Dichlorobenzene	146	22.716	22.704	0.005	88	1898	0.0614	
93 4-Isopropyltoluene	119		22.754				ND	
94 1,4-Dichlorobenzene	146		22.855				ND	
95 Benzyl chloride	91		23.000				ND	
96 n-Butylbenzene	91		23.310				ND	7
97 1,2-Dichlorobenzene	146		23.337				ND	
100 1,2,4-Trichlorobenzene	180		25.760				ND	
101 Hexachlorobutadiene	225		26.006				ND	
102 Naphthalene	128		26.236				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d

Injection Date: 25-Oct-2021 20:46:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: 200-60507-A-1

Lab Sample ID: 200-60507-1

Worklist Smp#: 16

Client ID: SS- GLARO

Purge Vol: 200.000 mL

Dil. Factor: 20.0000

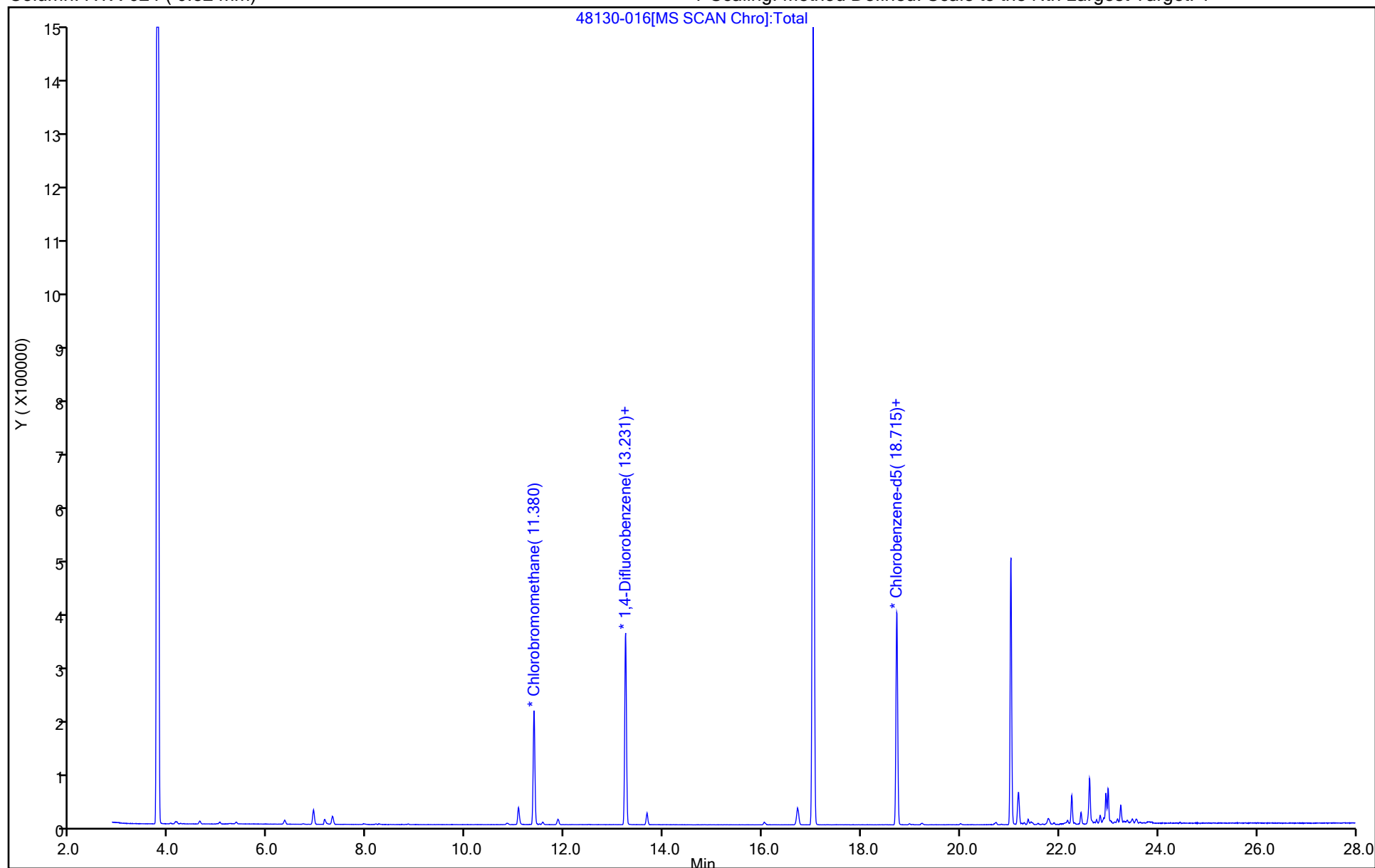
ALS Bottle#: 15

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

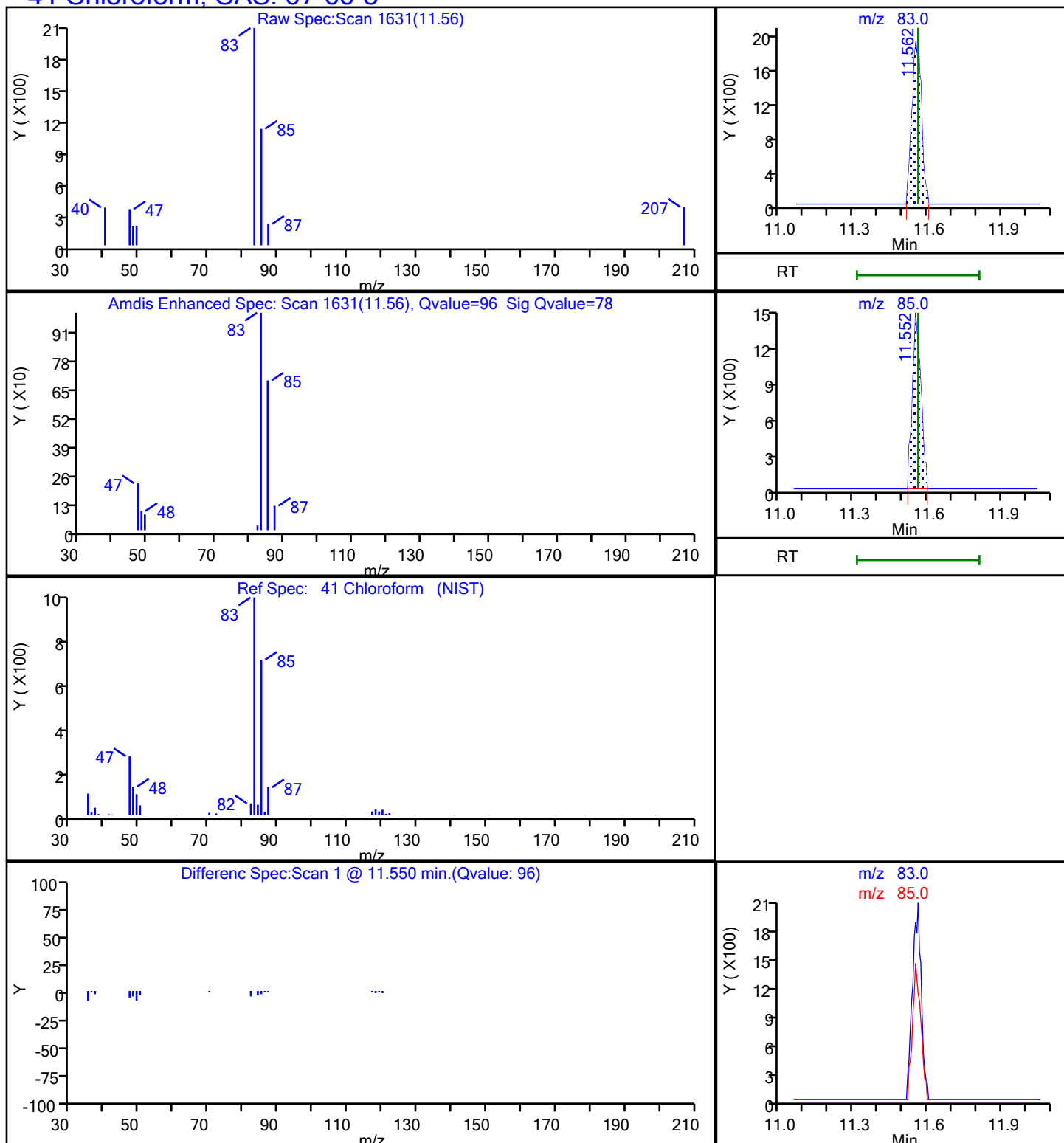
Column: RTX-624 (0.32 mm)

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



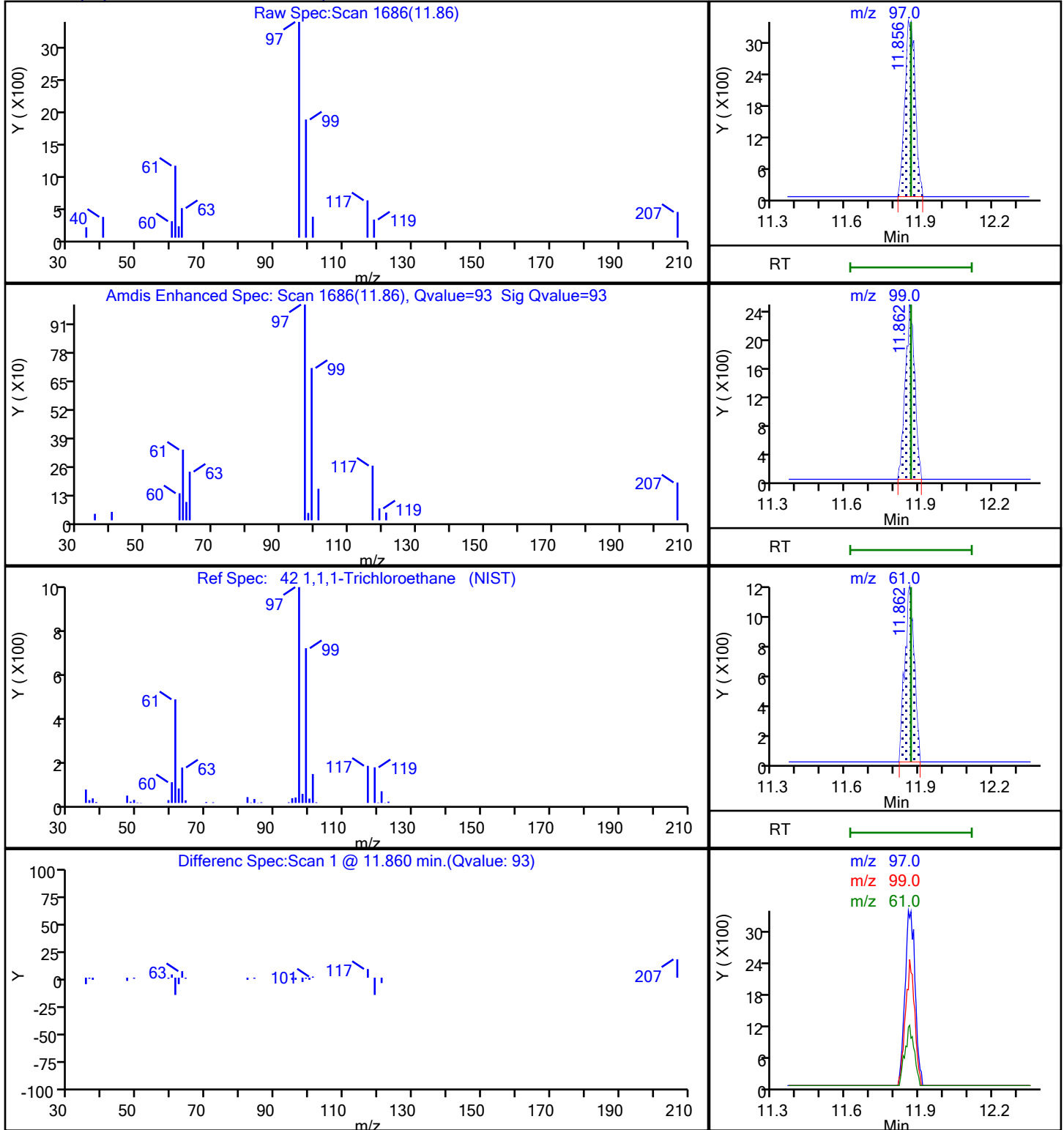
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

41 Chloroform, CAS: 67-66-3

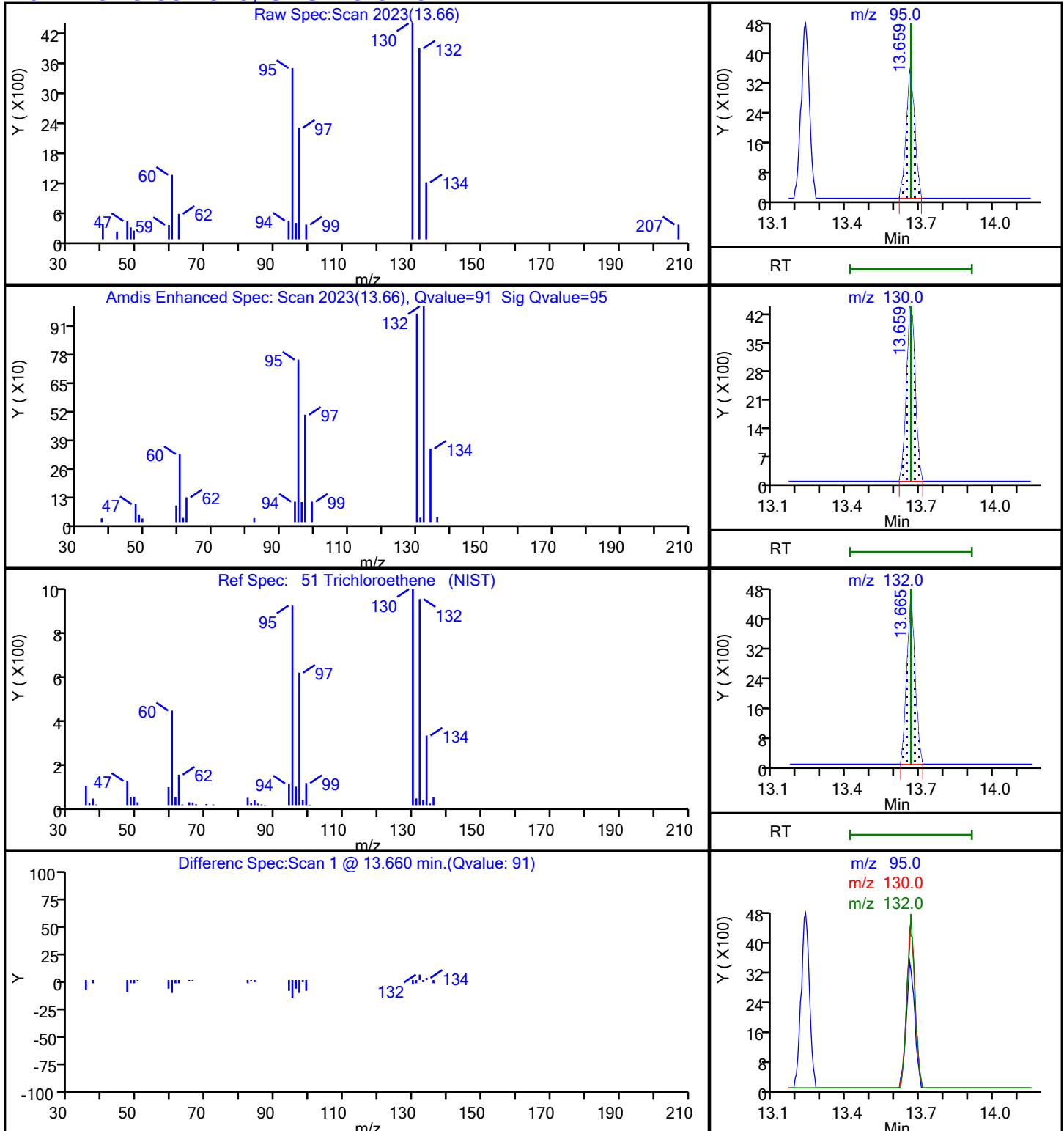
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

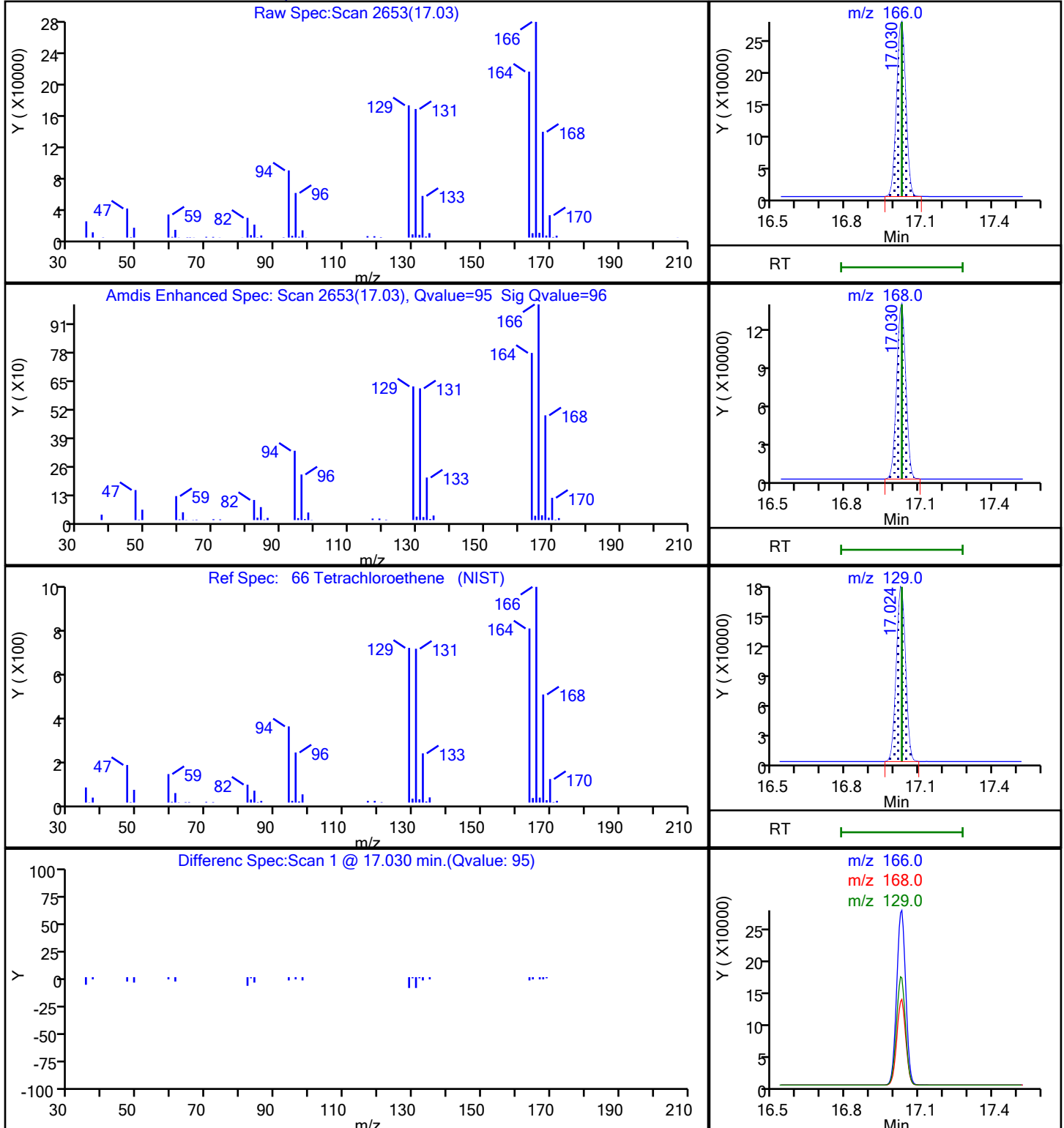
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

51 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

66 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

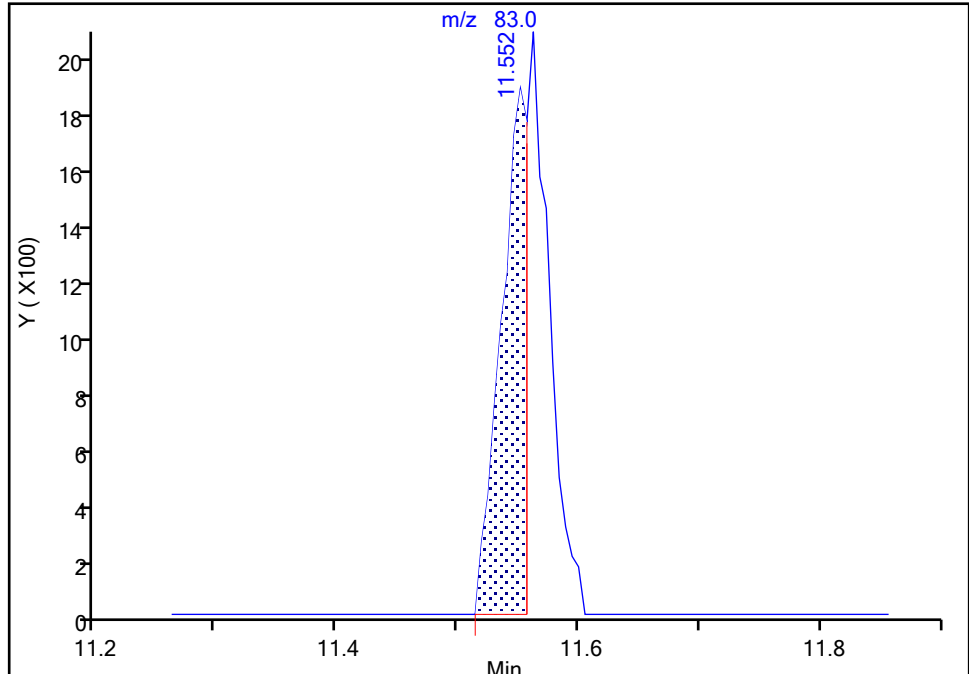
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Injection Date:	25-Oct-2021 20:46:30	Instrument ID:	CHW.i
Lims ID:	200-60507-A-1	Lab Sample ID:	200-60507-1
Client ID:	SS- GLARO		
Operator ID:	vtp	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	20.0000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

41 Chloroform, CAS: 67-66-3

Signal: 1

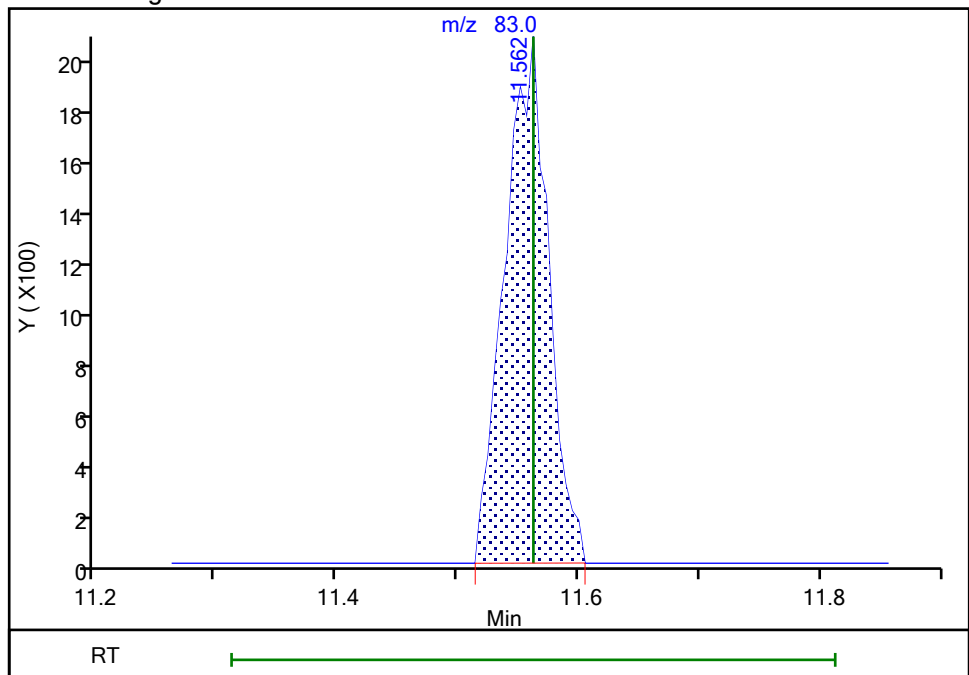
RT: 11.55
Area: 2928
Amount: 0.127708
Amount Units: ppb v/v

Processing Integration Results



RT: 11.56
Area: 5245
Amount: 0.228766
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 26-Oct-2021 15:08:49

Audit Action: Manually Integrated

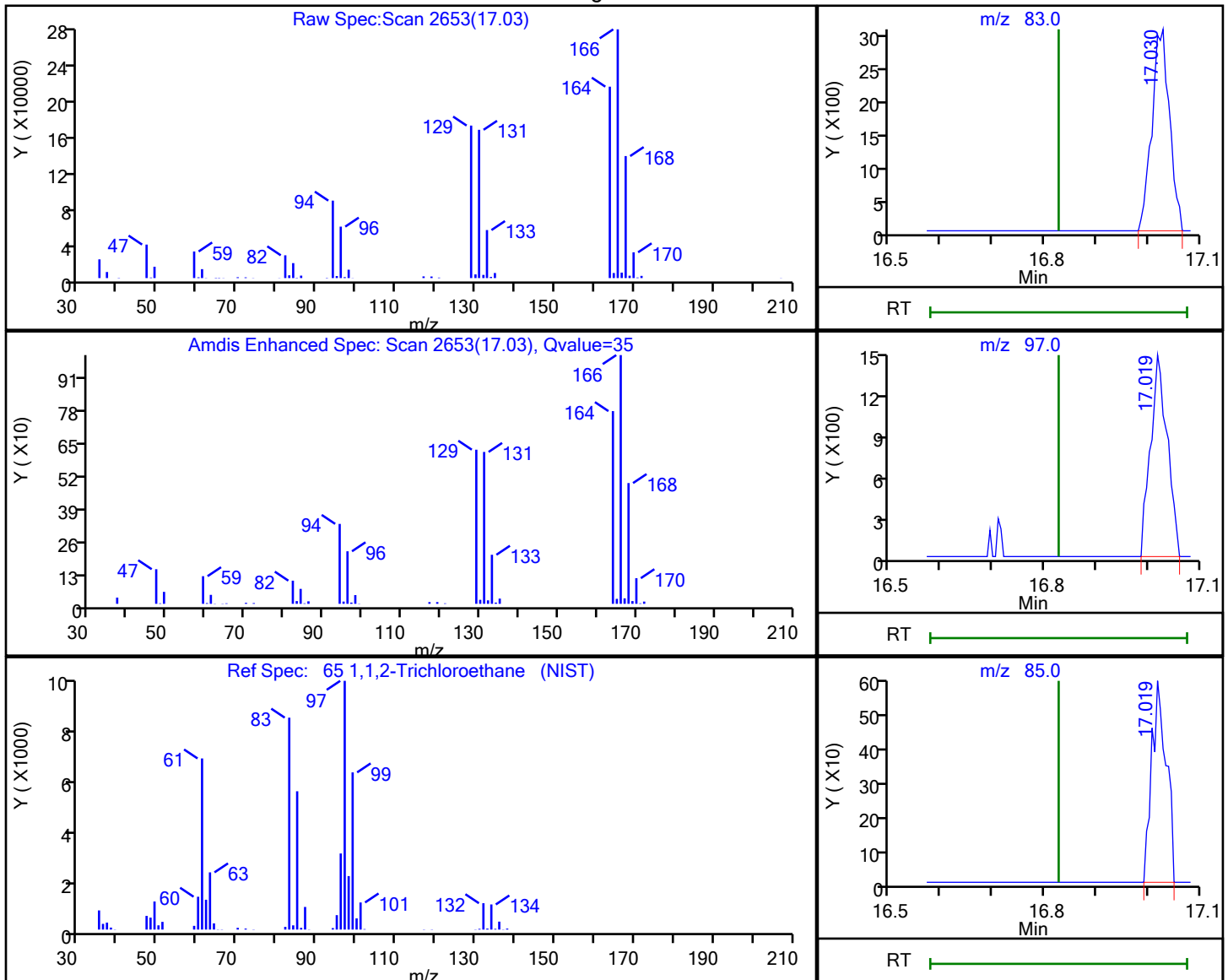
Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

65 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
17.03	83.00	7229	0.679347
17.02	97.00	3319	
17.02	85.00	1166	

Reviewer: puangmaleek, 26-Oct-2021 15:09:00

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

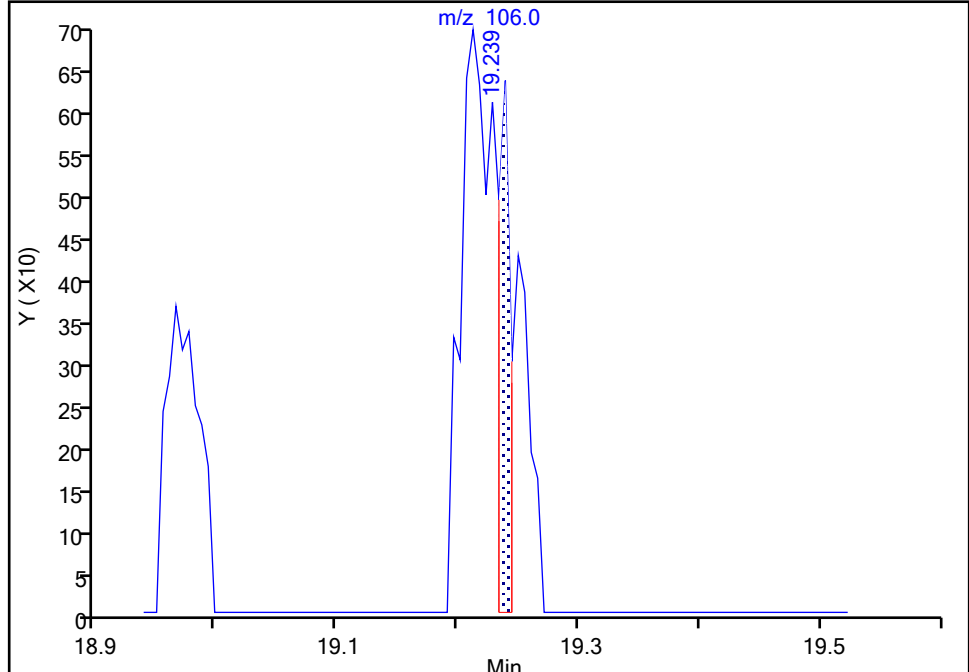
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Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

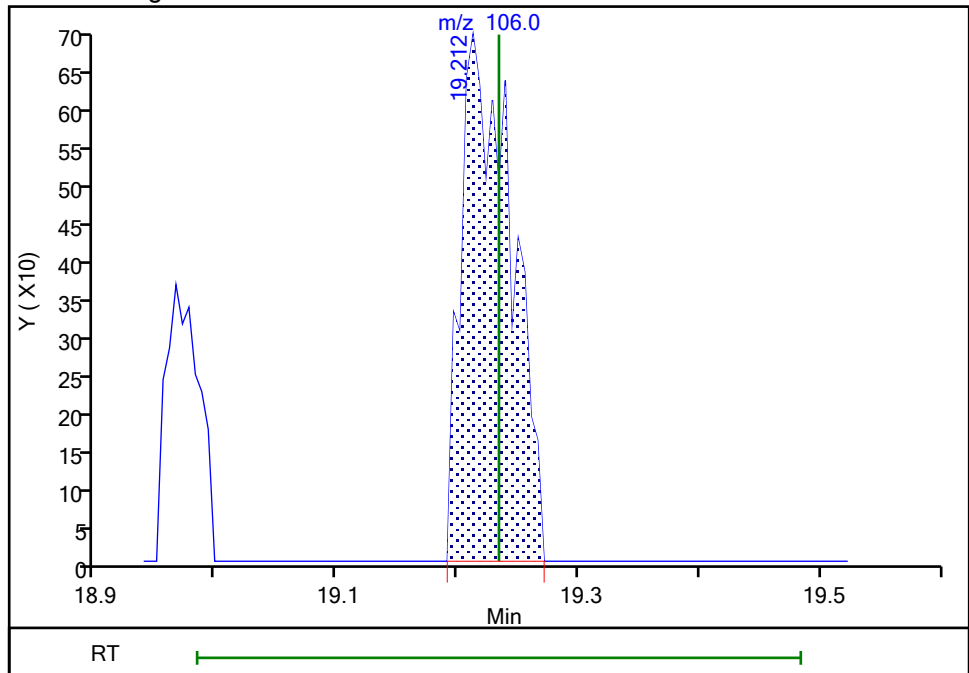
RT: 19.24
Area: 460
Amount: 0.023638
Amount Units: ppb v/v

Processing Integration Results



RT: 19.21
Area: 2028
Amount: 0.104213
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 26-Oct-2021 15:09:09

Audit Action: Manually Integrated

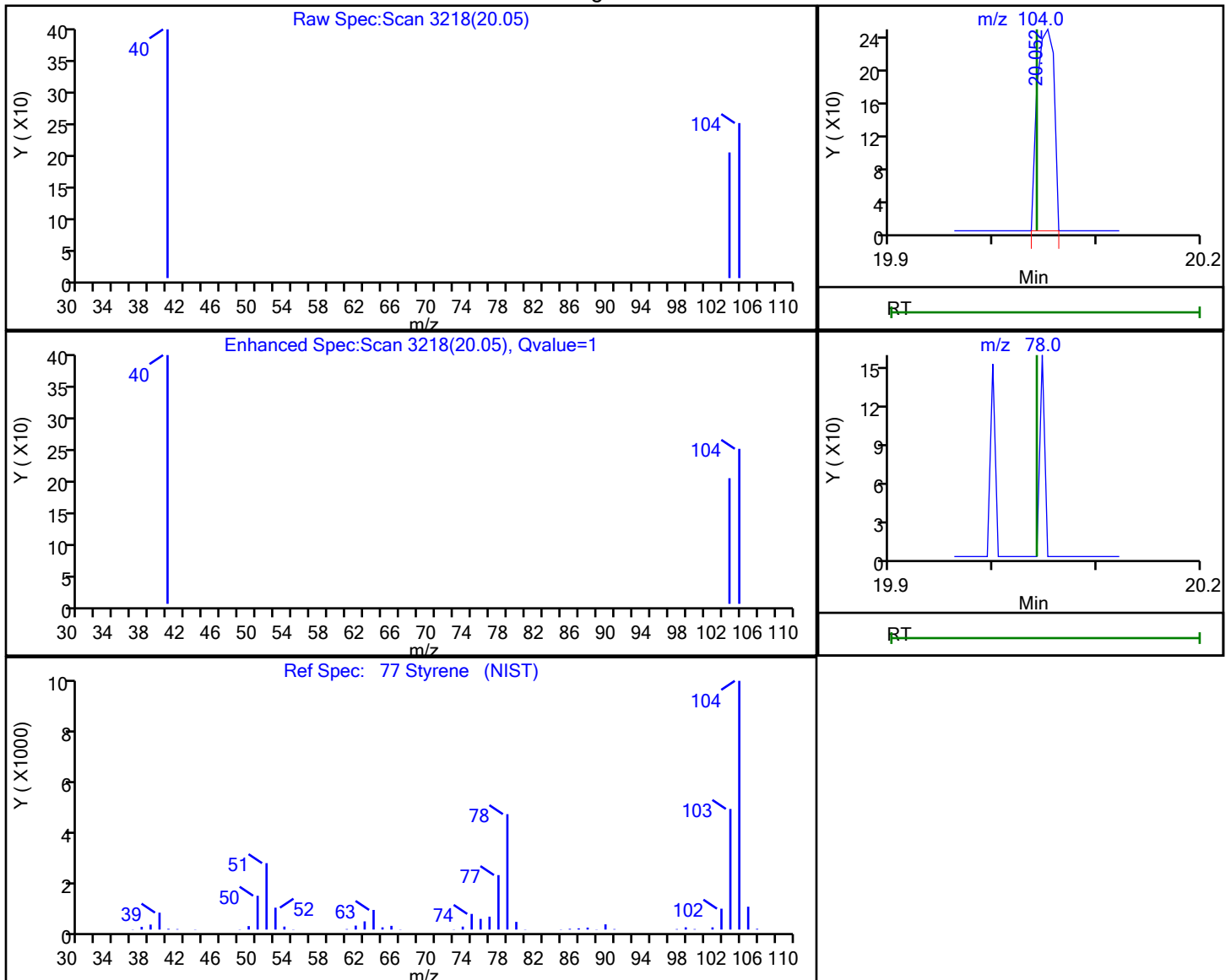
Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

77 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
20.05	104.00	282	0.009694
20.04	78.00	0	

Reviewer: puangmaleek, 26-Oct-2021 15:09:14

Audit Action: Marked Compound Undetected

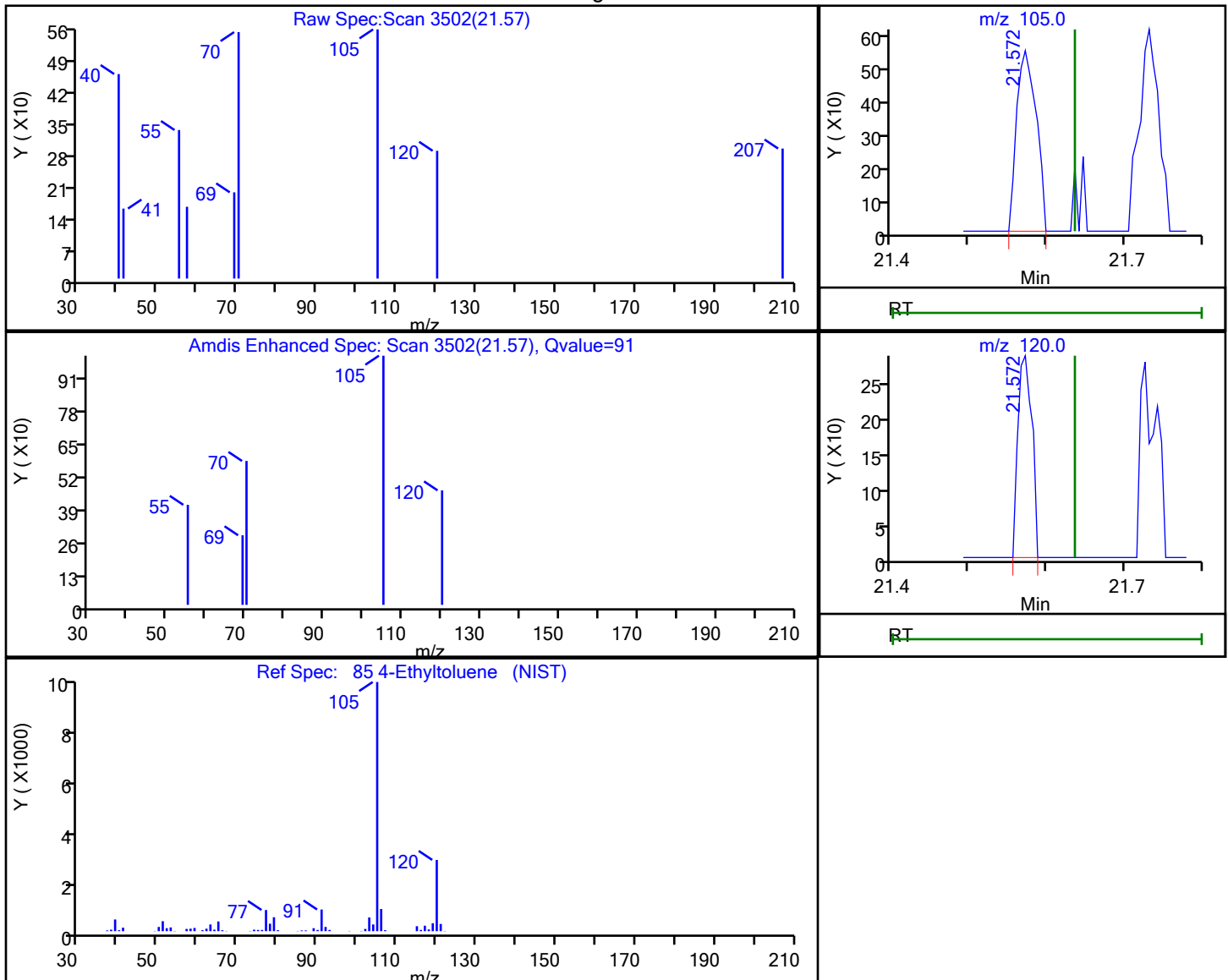
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-016.d
Injection Date: 25-Oct-2021 20:46:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-1 Lab Sample ID: 200-60507-1
Client ID: SS- GLARO
Operator ID: vtp ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
21.57	105.00	969	0.017483
21.57	120.00	355	

Reviewer: puangmaleek, 26-Oct-2021 15:09:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1

SDG No.: 200-60507-1

Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2

Matrix: Air Lab File ID: 48130-017.d

Analysis Method: TO-15 Date Collected: 10/07/2021 16:52

Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 21:38

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.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.50
75-45-6	Freon 22	86.47	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.20
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.50
106-97-8	n-Butane	58.12	18		0.50	0.50
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.20
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.20
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	0.37		0.20	0.20
76-13-1	Freon TF	187.38	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.20
67-64-1	Acetone	58.08	18		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	29		5.0	5.0
75-15-0	Carbon disulfide	76.14	0.56		0.50	0.50
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	84.93	0.70		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	19		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.20
110-54-3	n-Hexane	86.17	0.52		0.50	0.50
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	3.5		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.40
67-66-3	Chloroform	119.38	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	0.29		0.20	0.20
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.20
71-43-2	Benzene	78.11	0.30		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2
 Matrix: Air Lab File ID: 48130-017.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:52
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 21:38
 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.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.41		0.20	0.20
79-01-6	Trichloroethene	131.39	3.0		0.20	0.20
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	1.1		0.50	0.50
108-88-3	Toluene	92.14	3.0		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	165.83	6.8		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	1.4		0.20	0.20
179601-23-1	m,p-Xylene	106.17	3.4		0.50	0.50
95-47-6	Xylene, o-	106.17	1.8		0.20	0.20
1330-20-7	Xylene (total)	106.17	5.2		0.70	0.70
100-42-5	Styrene	104.15	0.61		0.20	0.20
75-25-2	Bromoform	252.75	0.20	U	0.20	0.20
98-82-8	Cumene	120.19	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	120.19	0.31		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	0.25		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.71		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	1.3		0.20	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	2.1		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2
Matrix: Air Lab File ID: 48130-017.d
Analysis Method: TO-15 Date Collected: 10/07/2021 16:52
Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 21:38
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.: 173045 Units: ppb v/v

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2
 Matrix: Air Lab File ID: 48130-017.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:52
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 21:38
 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.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0	1.0
106-97-8	n-Butane	58.12	43		1.2	1.2
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.51
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.87
75-69-4	Trichlorofluoromethane	137.37	2.1		1.1	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.79
67-64-1	Acetone	58.08	42		12	12
67-63-0	Isopropyl alcohol	60.10	72		12	12
75-15-0	Carbon disulfide	76.14	1.8		1.6	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	1.6
75-09-2	Methylene Chloride	84.93	2.4		1.7	1.7
75-65-0	tert-Butyl alcohol	74.12	59		15	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
110-54-3	n-Hexane	86.17	1.8		1.8	1.8
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.81
78-93-3	Methyl Ethyl Ketone	72.11	10		1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	1.6
67-66-3	Chloroform	119.38	0.98	U	0.98	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15	15
71-55-6	1,1,1-Trichloroethane	133.41	1.6		1.1	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.69
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.93
71-43-2	Benzene	78.11	0.95		0.64	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.81

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2
 Matrix: Air Lab File ID: 48130-017.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:52
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 21:38
 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.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	1.7		0.82	0.82
79-01-6	Trichloroethene	131.39	16		1.1	1.1
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
108-10-1	methyl isobutyl ketone	100.16	4.4		2.0	2.0
108-88-3	Toluene	92.14	11		0.75	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	1.1
127-18-4	Tetrachloroethene	165.83	46		1.4	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	2.0
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.92
100-41-4	Ethylbenzene	106.17	6.0		0.87	0.87
179601-23-1	m,p-Xylene	106.17	15		2.2	2.2
95-47-6	Xylene, o-	106.17	7.9		0.87	0.87
1330-20-7	Xylene (total)	106.17	23		3.0	3.0
100-42-5	Styrene	104.15	2.6		0.85	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1	2.1
98-82-8	Cumene	120.19	0.98	U	0.98	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	1.4
103-65-1	n-Propylbenzene	120.19	1.5		0.98	0.98
622-96-8	4-Ethyltoluene	120.20	1.2		0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	3.5		0.98	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	6.5		0.98	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	1.1
541-73-1	1,3-Dichlorobenzene	147.00	13		1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	1.2

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2
 Matrix: Air Lab File ID: 48130-017.d
 Analysis Method: TO-15 Date Collected: 10/07/2021 16:52
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 21:38
 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.: 173045 Units: ug/m3

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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
 Lims ID: 200-60507-A-2
 Client ID: SS- MANUFACTURING
 Sample Type: Client
 Inject. Date: 25-Oct-2021 21:38:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048130-017
 Misc. Info.: 60507-2
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Oct-2021 15:13:18 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: puangmaleek

Date: 26-Oct-2021 15:13:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.228	4.210	0.016	99	24507	0.4750	
3 Chlorodifluoromethane	51	4.281	4.258	0.021	96	10935	0.4190	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.586				ND	
5 Chloromethane	50	4.715	4.691	0.022	96	3857	0.2642	
6 Vinyl chloride	62		5.009				ND	
7 Butane	43	5.025	5.012	0.011	97	312099	18.0	
8 Butadiene	54		5.132				ND	U
9 Bromomethane	94		5.849				ND	
10 Chloroethane	64		6.127				ND	
13 Vinyl bromide	106		6.550				ND	
14 Trichlorofluoromethane	101	6.705	6.712	-0.010	98	14473	0.3652	
20 1,1-Dichloroethene	96		7.780				ND	
21 112TCTFE	101	7.817	7.819	-0.006	50	1742	0.0592	
22 Acetone	43	7.866	7.872	-0.010	97	225916	17.6	
24 Isopropyl alcohol	45	8.208	8.177	0.027	100	382176	29.5	
23 Carbon disulfide	76	8.181	8.183	-0.006	98	18836	0.5635	
26 3-Chloro-1-propene	41		8.481				ND	
27 Methylene Chloride	49	8.711	8.707	0.000	81	5827	0.6952	
28 2-Methyl-2-propanol	59	8.978	8.953	0.021	58	313292	19.4	
30 trans-1,2-Dichloroethene	61		9.214				ND	U
31 Methyl tert-butyl ether	73		9.235				ND	
32 Hexane	57	9.717	9.717	-0.005	87	5890	0.5151	
33 1,1-Dichloroethane	63		9.979				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
37 2-Butanone (MEK)	72	10.947	10.947	-0.005	96	15071	3.47	
36 cis-1,2-Dichloroethene	96		10.974				ND	7
* 39 Chlorobromomethane	128	11.386	11.386	0.000	68	89006	10.0	
40 Tetrahydrofuran	42	11.439	11.444	-0.006	78	4297	0.6655	
41 Chloroform	83	11.552	11.562	-0.010	93	2786	0.1238	
42 1,1,1-Trichloroethane	97	11.862	11.867	-0.005	94	6969	0.2905	
43 Cyclohexane	84	12.006	12.006	0.000	89	1648	0.1270	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	12.145	12.151	-0.006	89	1944	0.0738	
45 Benzene	78	12.488	12.493	-0.005	95	8543	0.2976	
46 1,2-Dichloroethane	62		12.568				ND	U
47 Isooctane	57	12.707	12.712	-0.005	97	6136	0.1744	
48 n-Heptane	43	13.017	13.023	-0.006	88	4501	0.4077	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	387164	10.0	
51 Trichloroethene	95	13.665	13.664	0.000	94	42803	3.01	
53 1,2-Dichloropropane	63		14.125				ND	
55 Methyl methacrylate	69	14.221	14.216	0.005	83	2371	0.2681	
57 1,4-Dioxane	88		14.269				ND	
58 Dichlorobromomethane	83		14.590				ND	
60 cis-1,3-Dichloropropene	75		15.398				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.665	15.665	0.000	90	14971	1.08	
62 Toluene	92	16.035	16.030	0.000	93	69764	3.04	
64 trans-1,3-Dichloropropene	75		16.452				ND	U
65 1,1,2-Trichloroethane	83		16.826				ND	U
66 Tetrachloroethene	166	17.024	17.025	-0.006	95	179739	6.77	
67 2-Hexanone	43	17.249	17.244	0.000	76	1869	0.1456	
68 Chlorodibromomethane	129		17.565				ND	
69 Ethylene Dibromide	107		17.805				ND	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	82	337824	10.0	
72 Chlorobenzene	112	18.779	18.768	0.005	47	847	0.0256	
73 Ethylbenzene	91	18.977	18.966	0.005	97	68972	1.38	
74 m-Xylene & p-Xylene	106	19.223	19.212	-0.011	0	63903	3.41	
76 o-Xylene	106	20.015	19.998	0.011	98	35789	1.81	
77 Styrene	104	20.047	20.036	0.005	96	17008	0.6069	
S 78 Xylenes, Total	106				0		5.22	
79 Bromoform	173		20.395				ND	
80 Isopropylbenzene	105		20.716				ND	U
81 1,1,2,2-Tetrachloroethane	83		21.235				ND	U
83 N-Propylbenzene	91	21.438	21.431	0.000	99	19068	0.3100	
84 2-Chlorotoluene	91		21.582				ND	
85 4-Ethyltoluene	105	21.636	21.629	0.000	97	13322	0.2495	
86 1,3,5-Trimethylbenzene	105	21.732	21.726	0.000	94	33507	0.7134	
89 tert-Butylbenzene	119		22.214				ND	
90 1,2,4-Trimethylbenzene	105	22.304	22.293	0.005	96	59183	1.32	
91 sec-Butylbenzene	105		22.540				ND	
92 1,3-Dichlorobenzene	146	22.711	22.704	0.000	95	62510	2.10	
93 4-Isopropyltoluene	119		22.754				ND	MU
94 1,4-Dichlorobenzene	146		22.855				ND	
95 Benzyl chloride	91		23.000				ND	U
96 n-Butylbenzene	91		23.310				ND	U
97 1,2-Dichlorobenzene	146		23.337				ND	
100 1,2,4-Trichlorobenzene	180		25.760				ND	
101 Hexachlorobutadiene	225		26.006				ND	
102 Naphthalene	128	26.242	26.229	0.006	93	4391	0.1362	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 26-Oct-2021 15:13:18

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Worklist Smp#: 17

Client ID: SS- MANUFACTURING

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

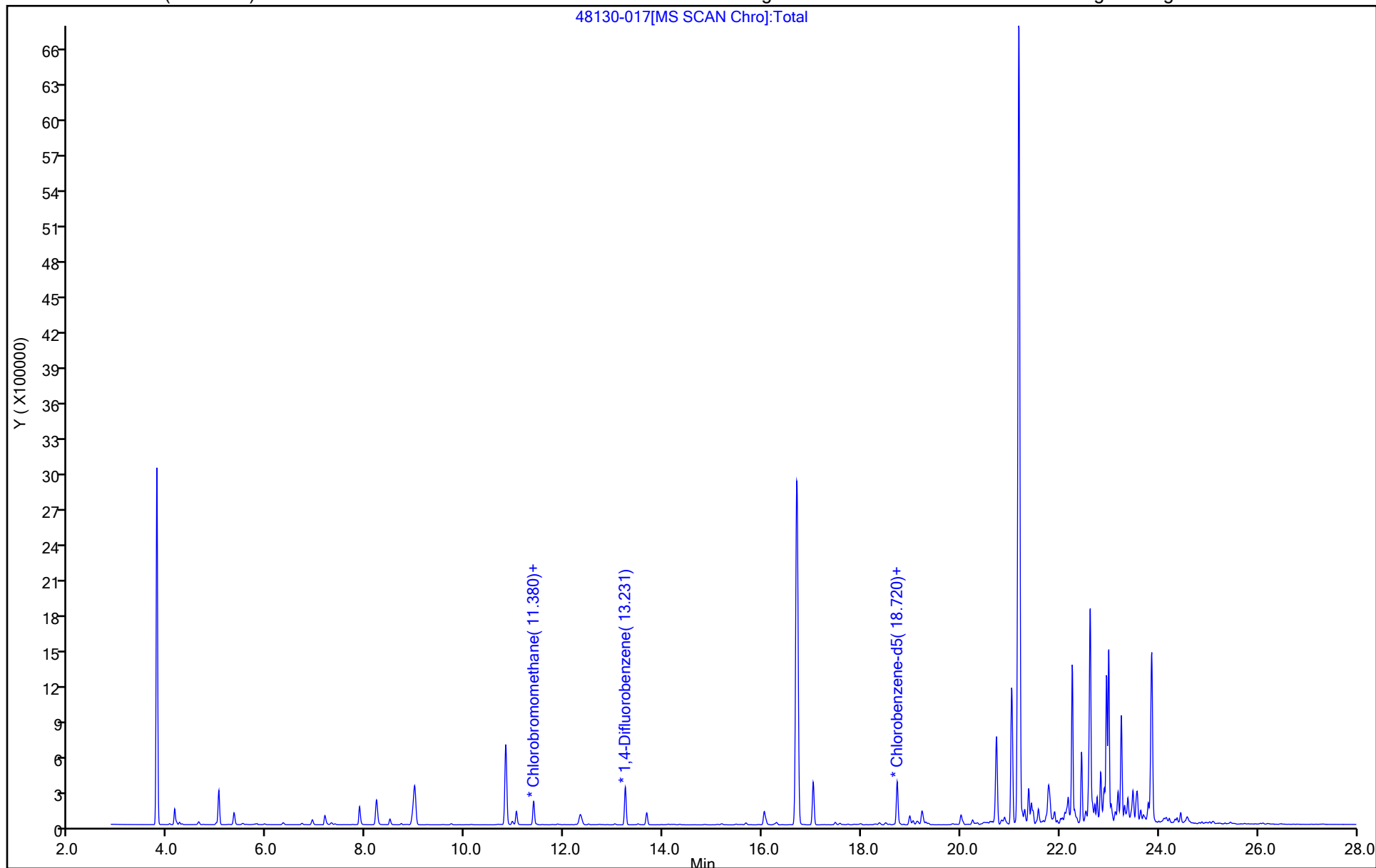
ALS Bottle#: 16

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

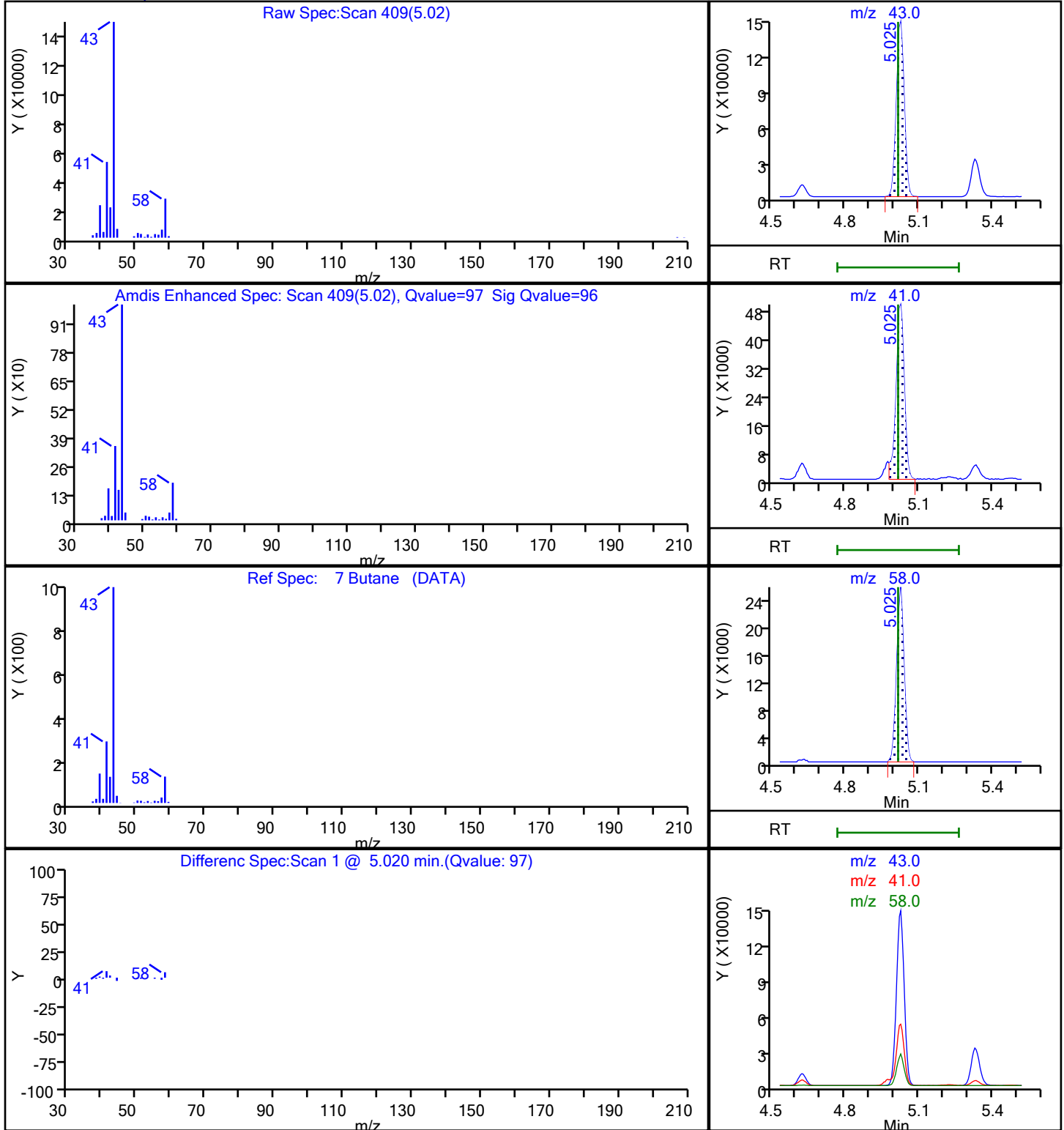
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Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

7 Butane, CAS: 106-97-8

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

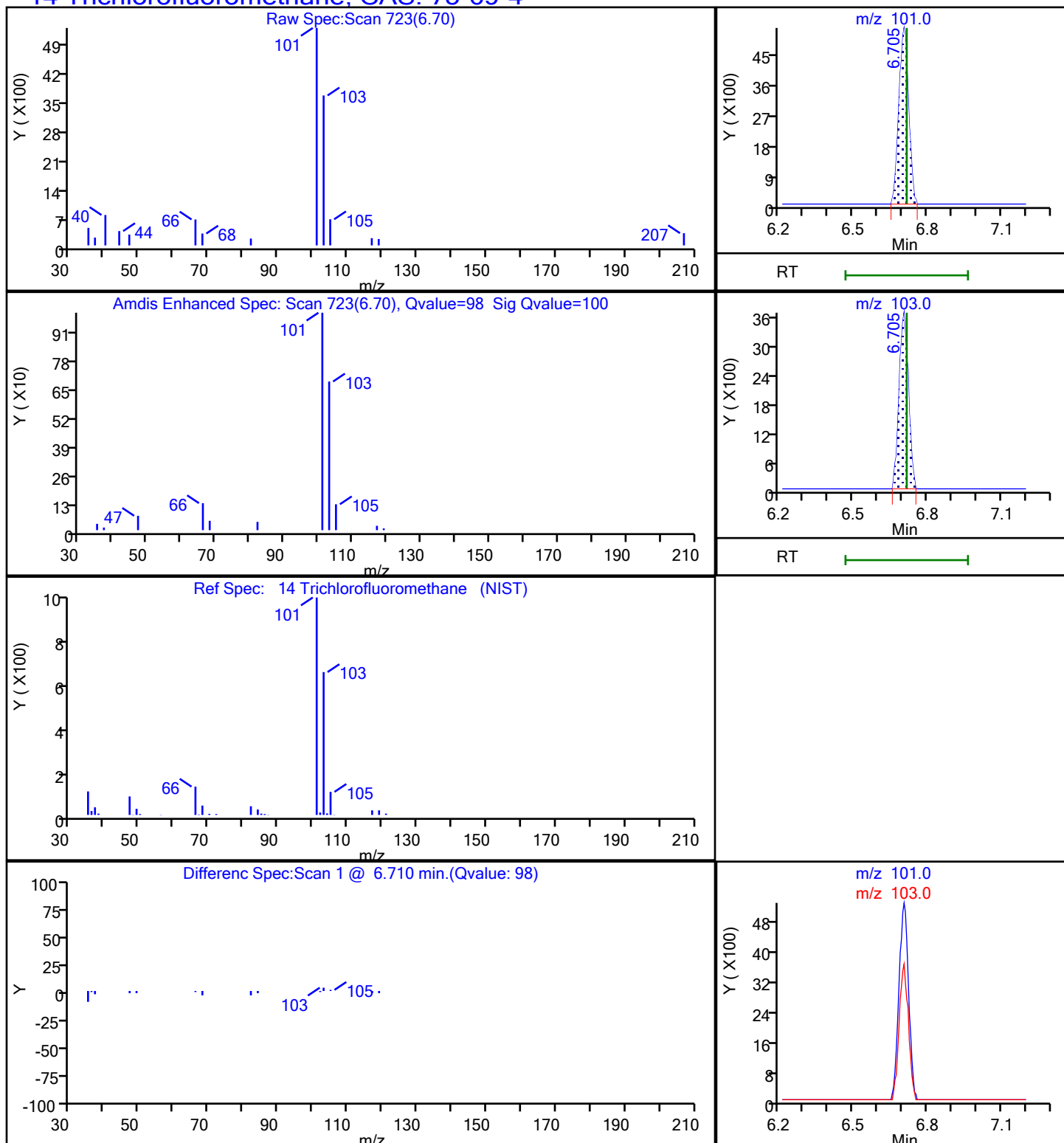
Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

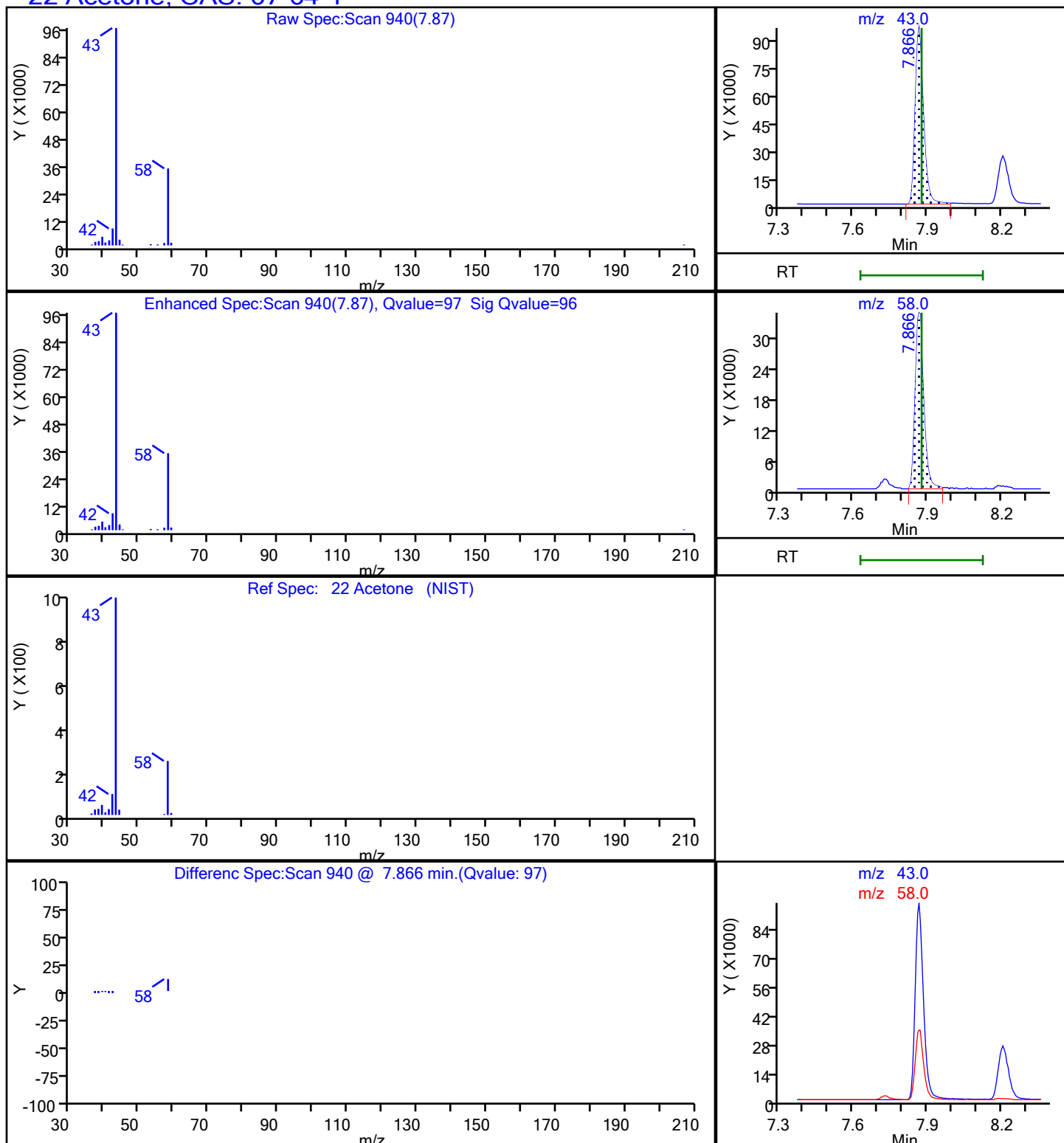
Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Burlington

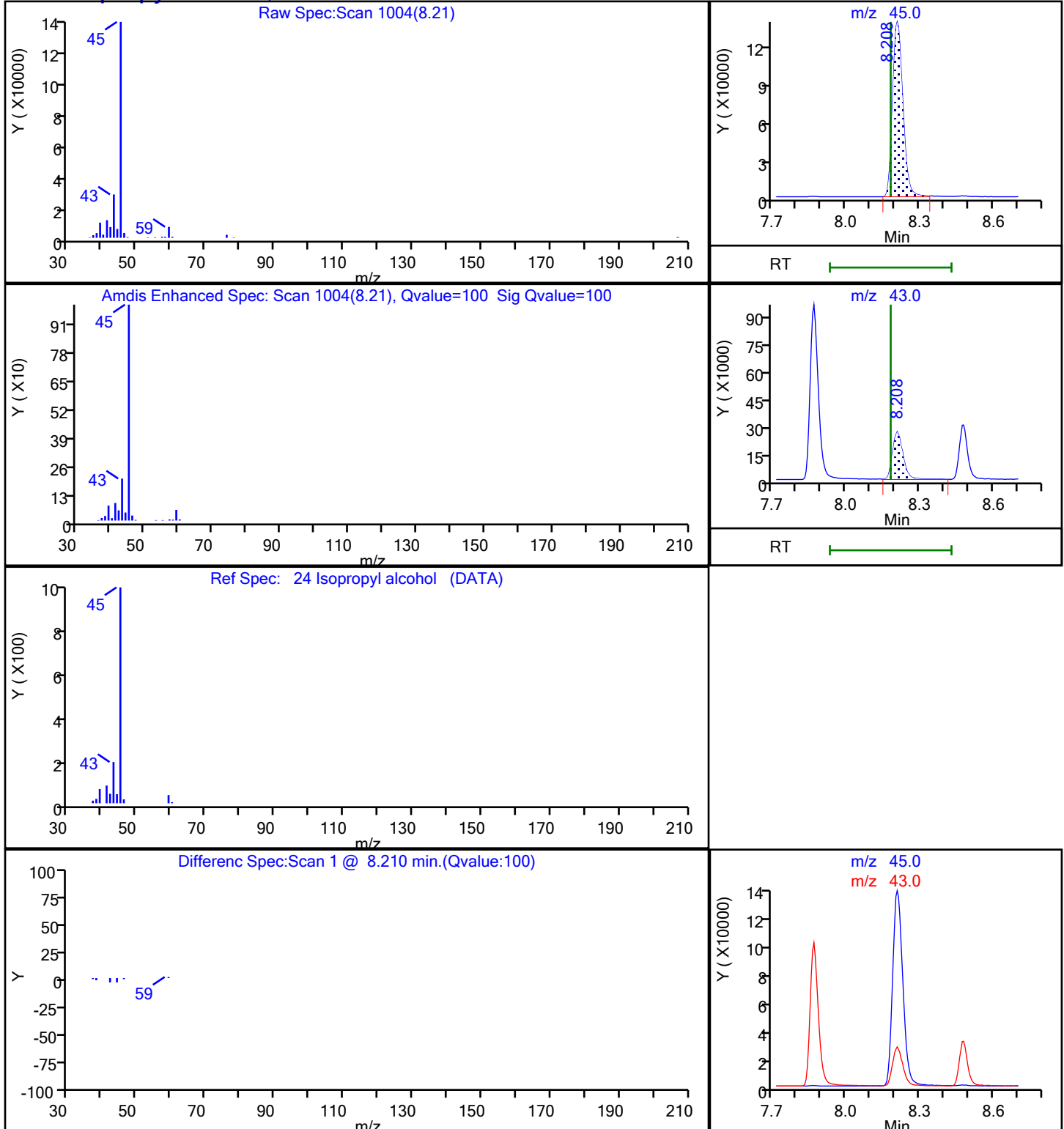
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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1



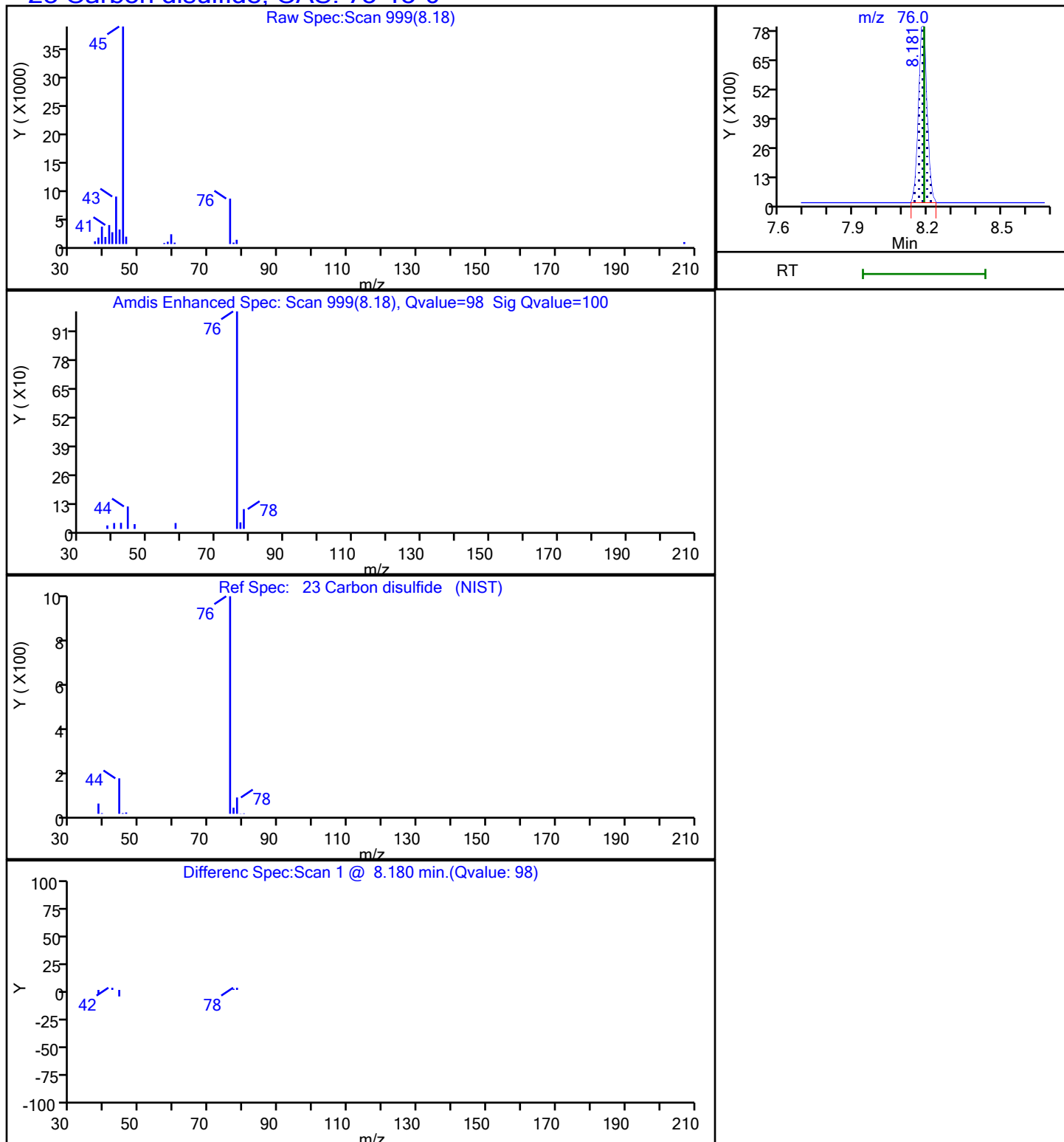
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

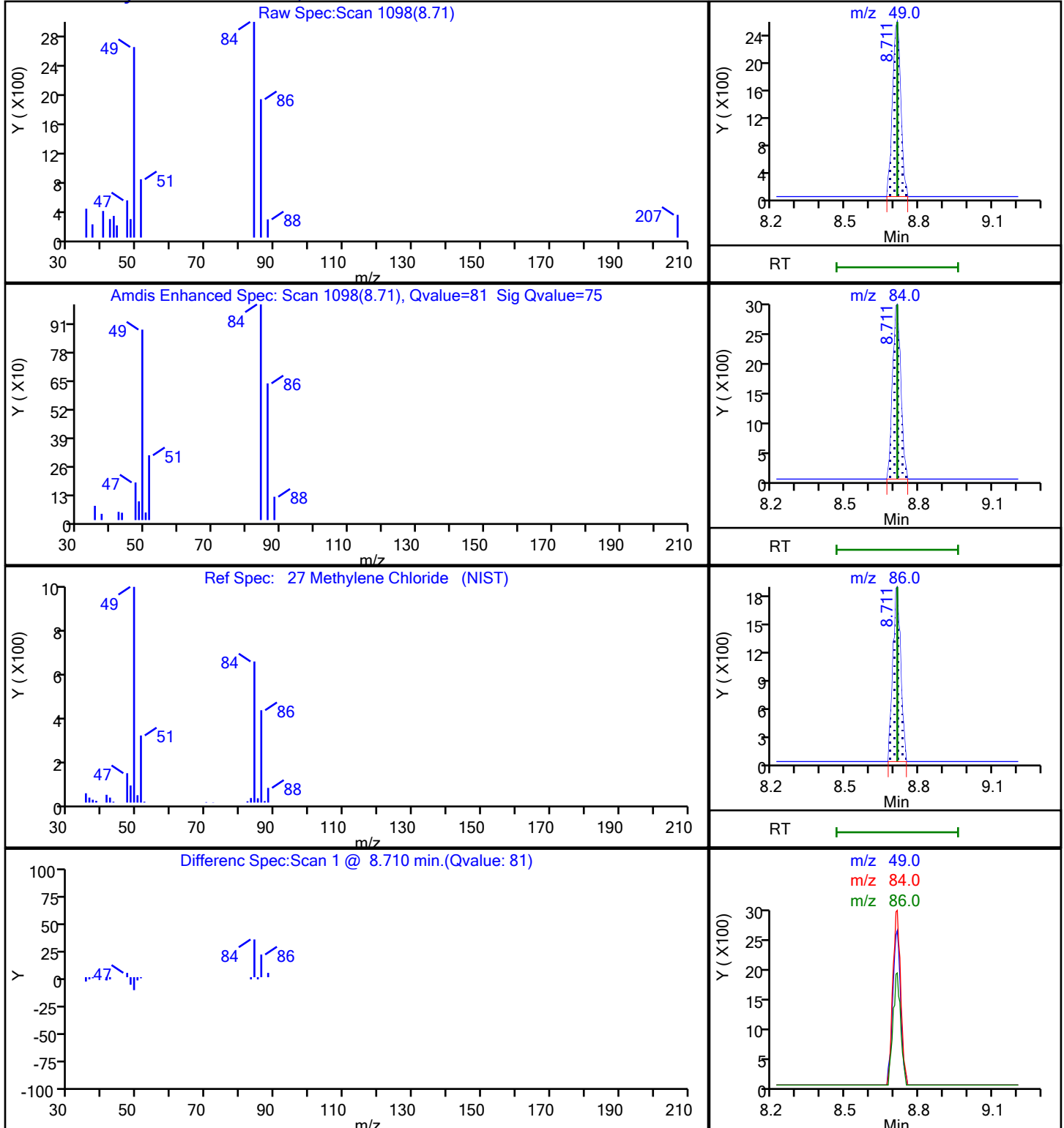
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

23 Carbon disulfide, CAS: 75-15-0

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

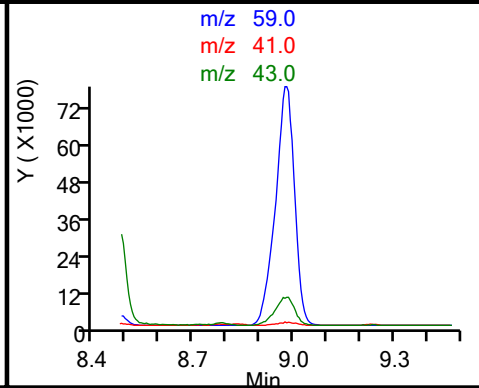
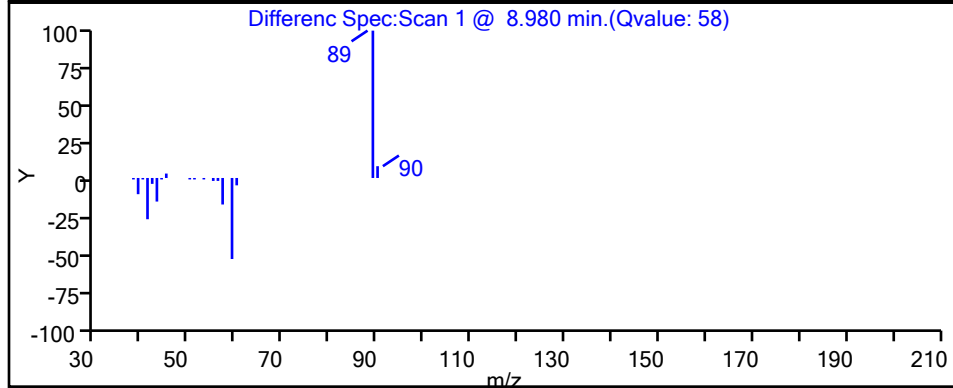
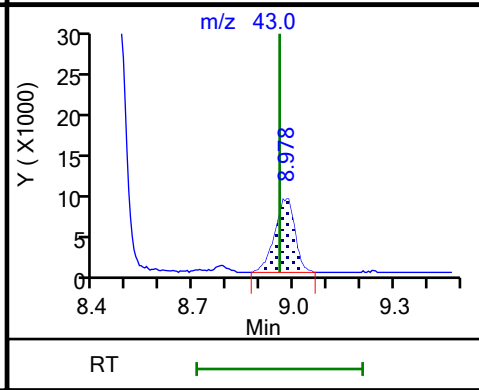
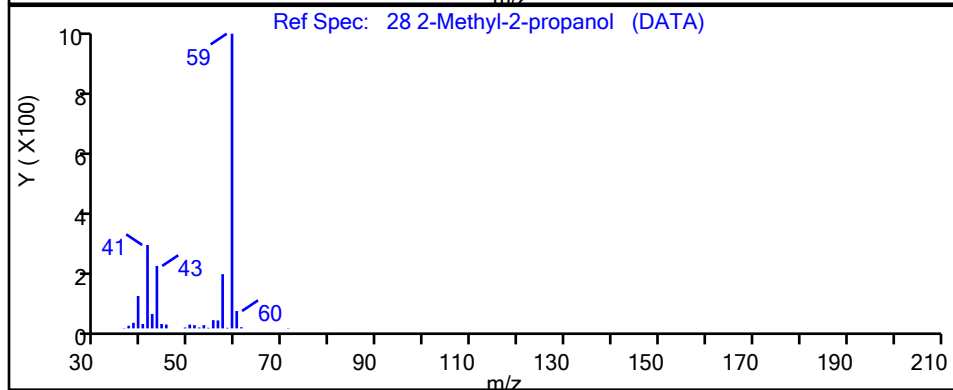
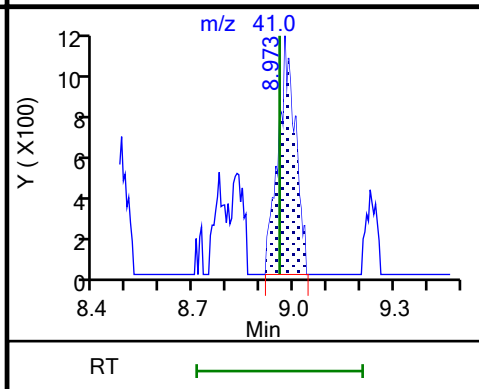
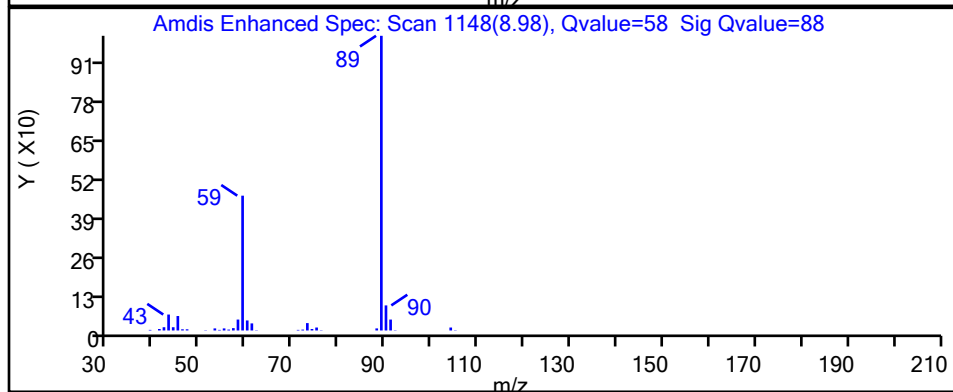
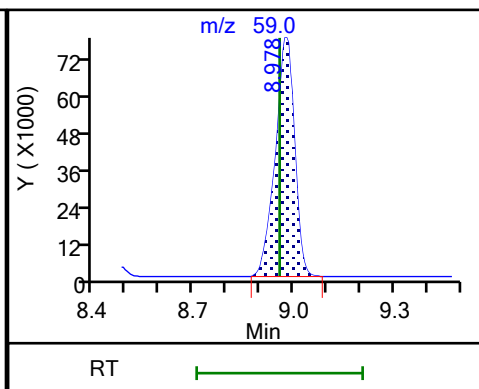
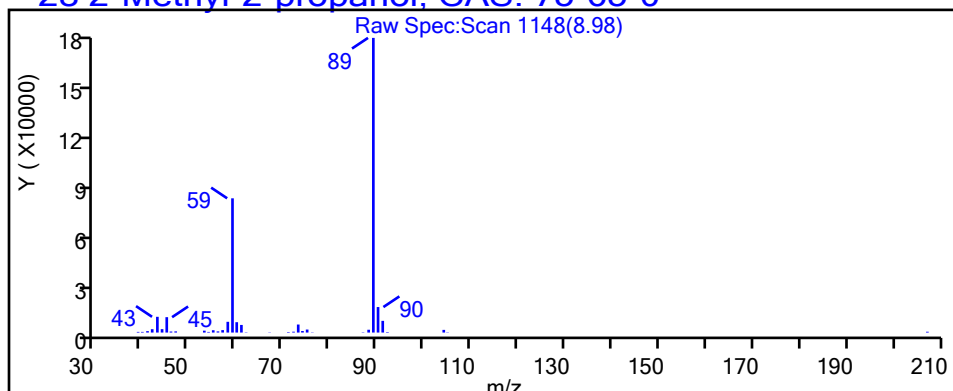
Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

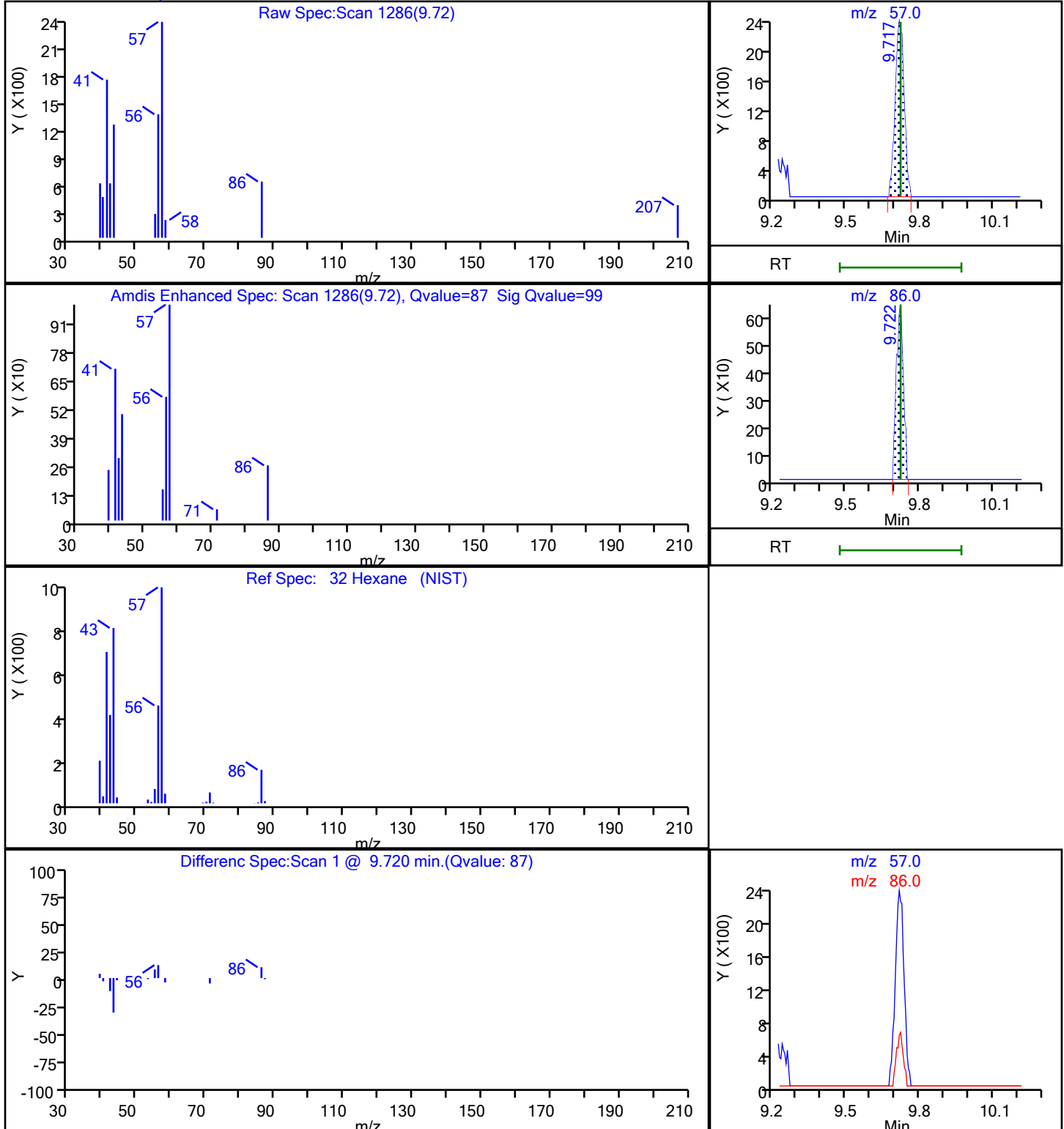
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

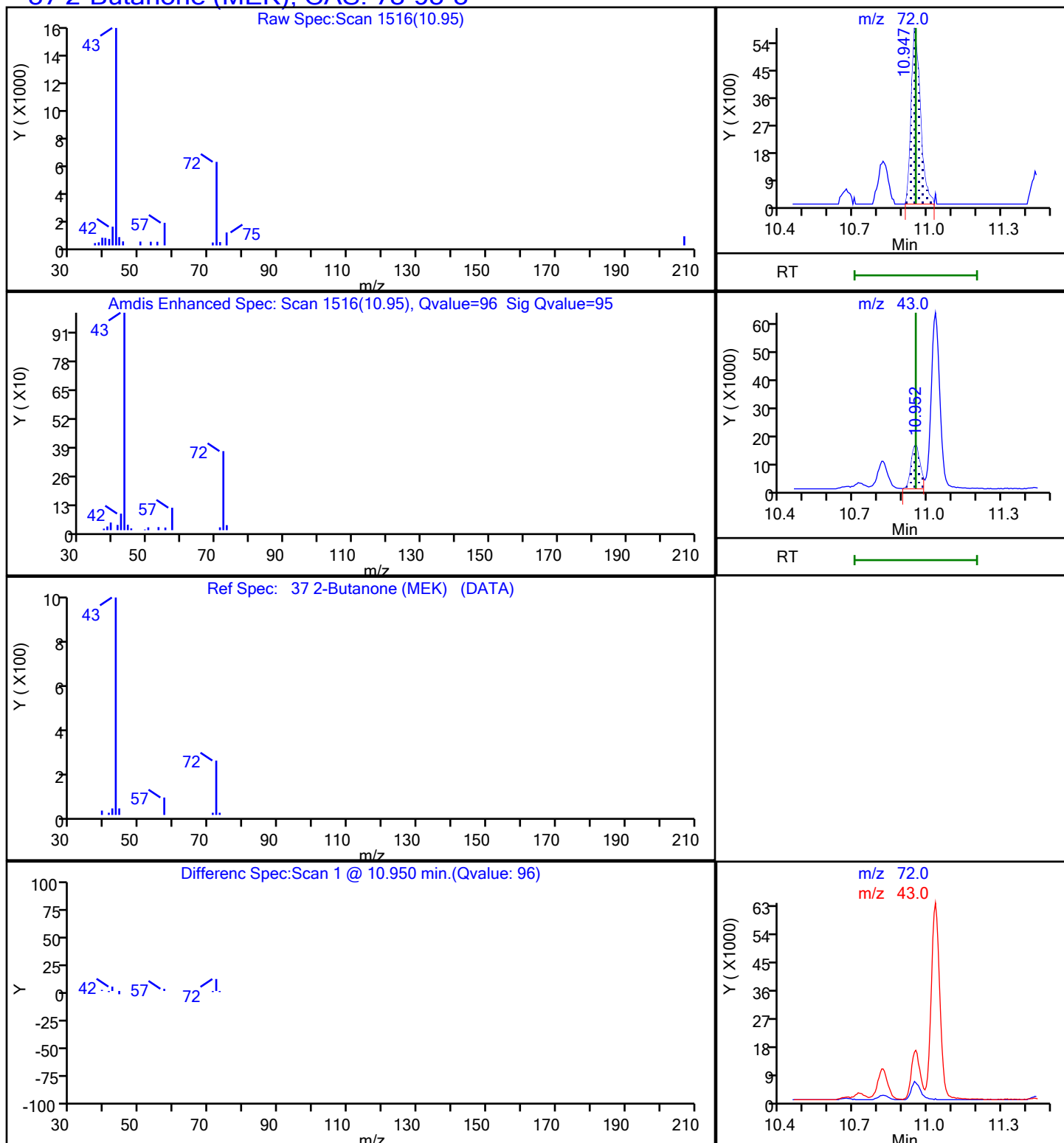
Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

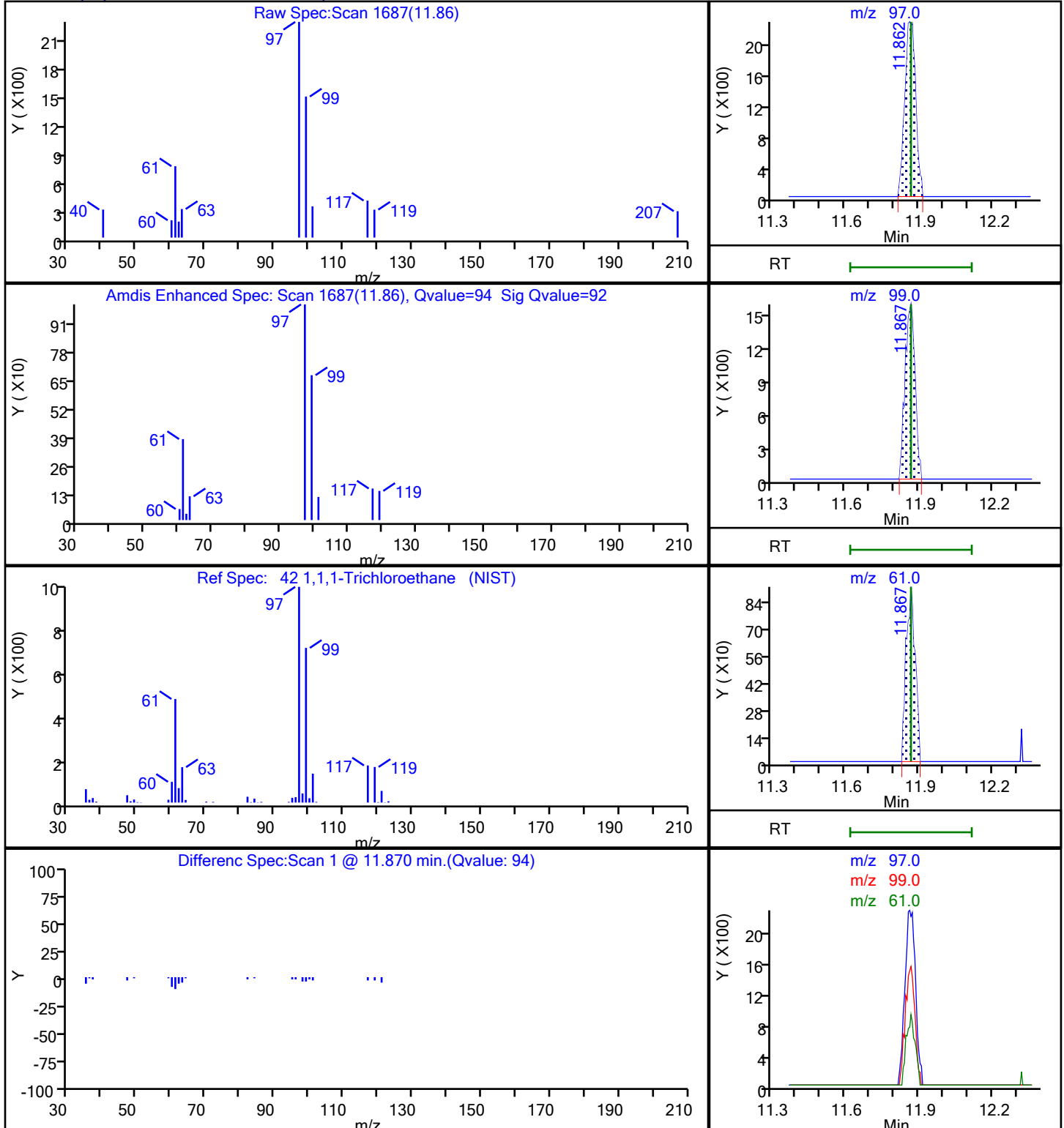
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Detector: MS SCAN

37 2-Butanone (MEK). CAS: 78-93-3

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

42 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

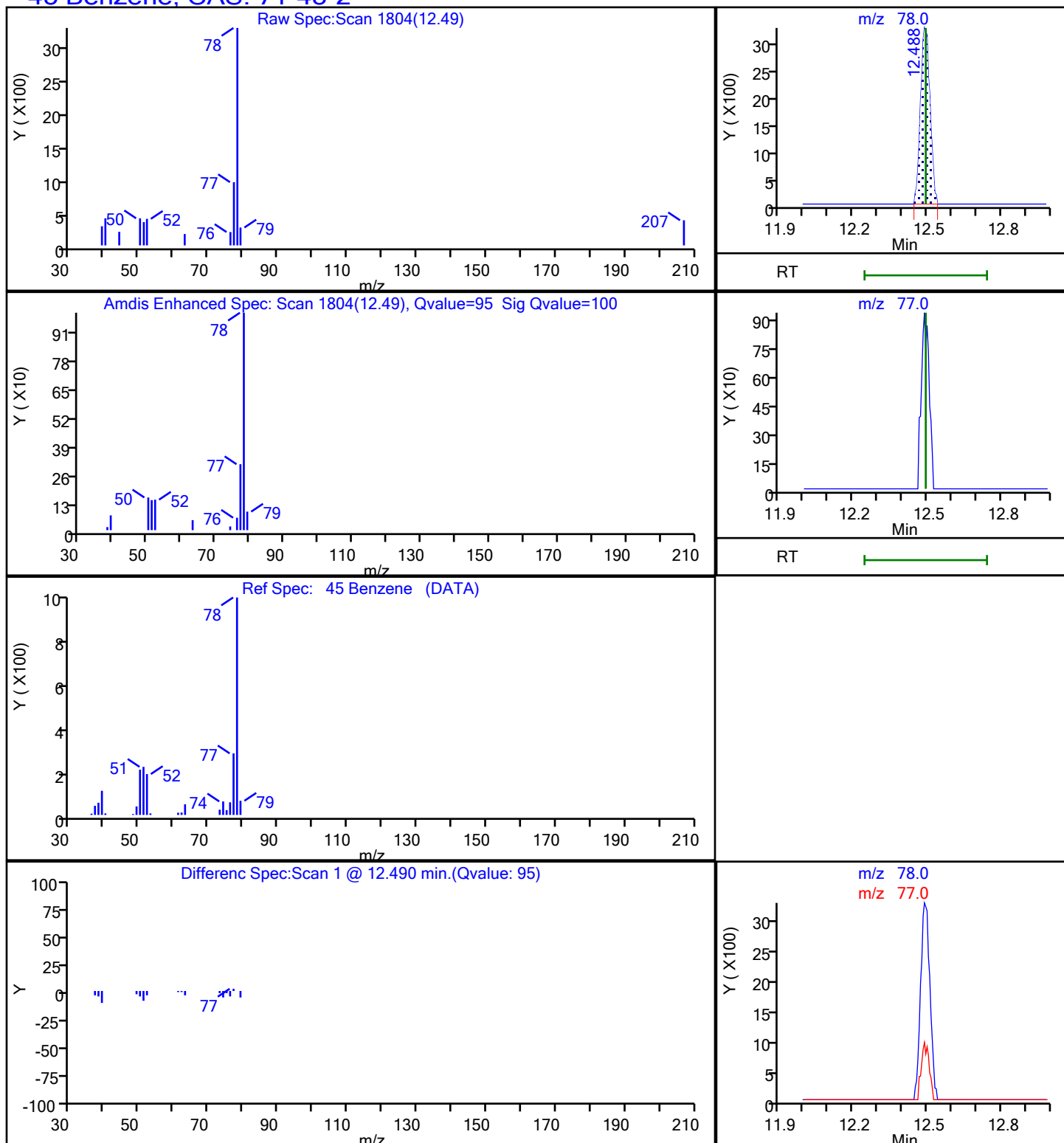
Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

45 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

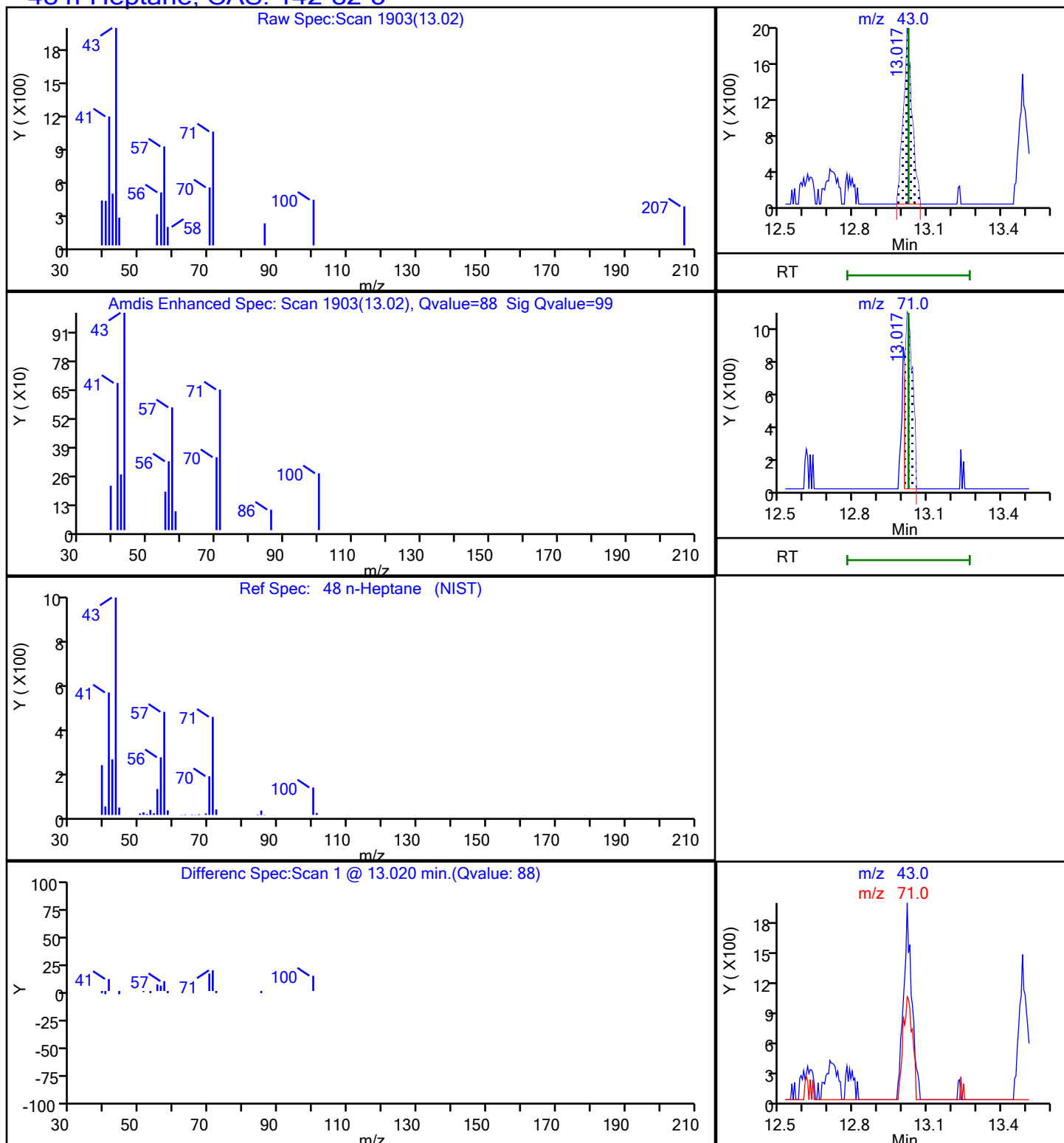
Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

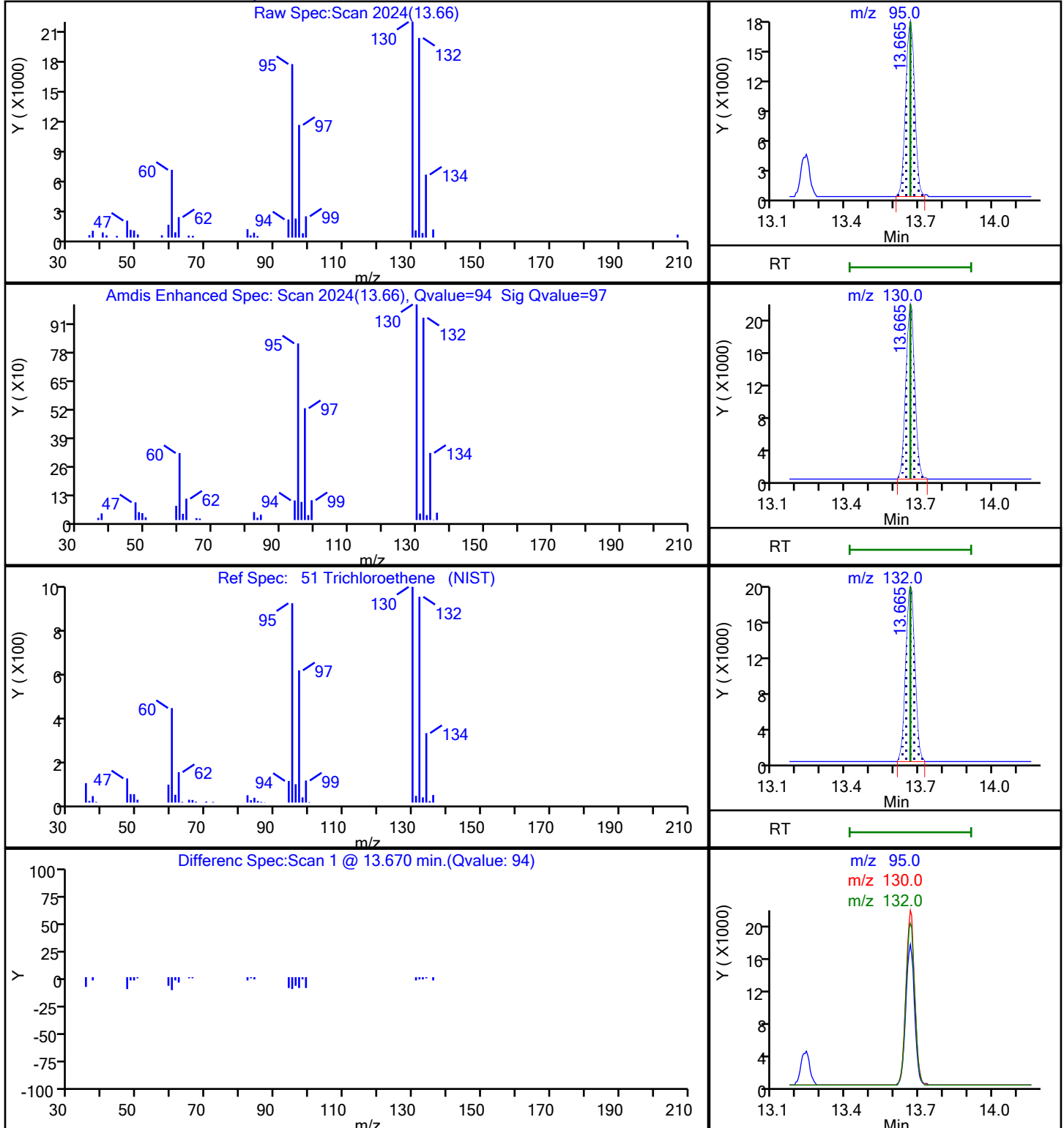
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Detector: MS SCAN

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

Eurofins TestAmerica, Burlington

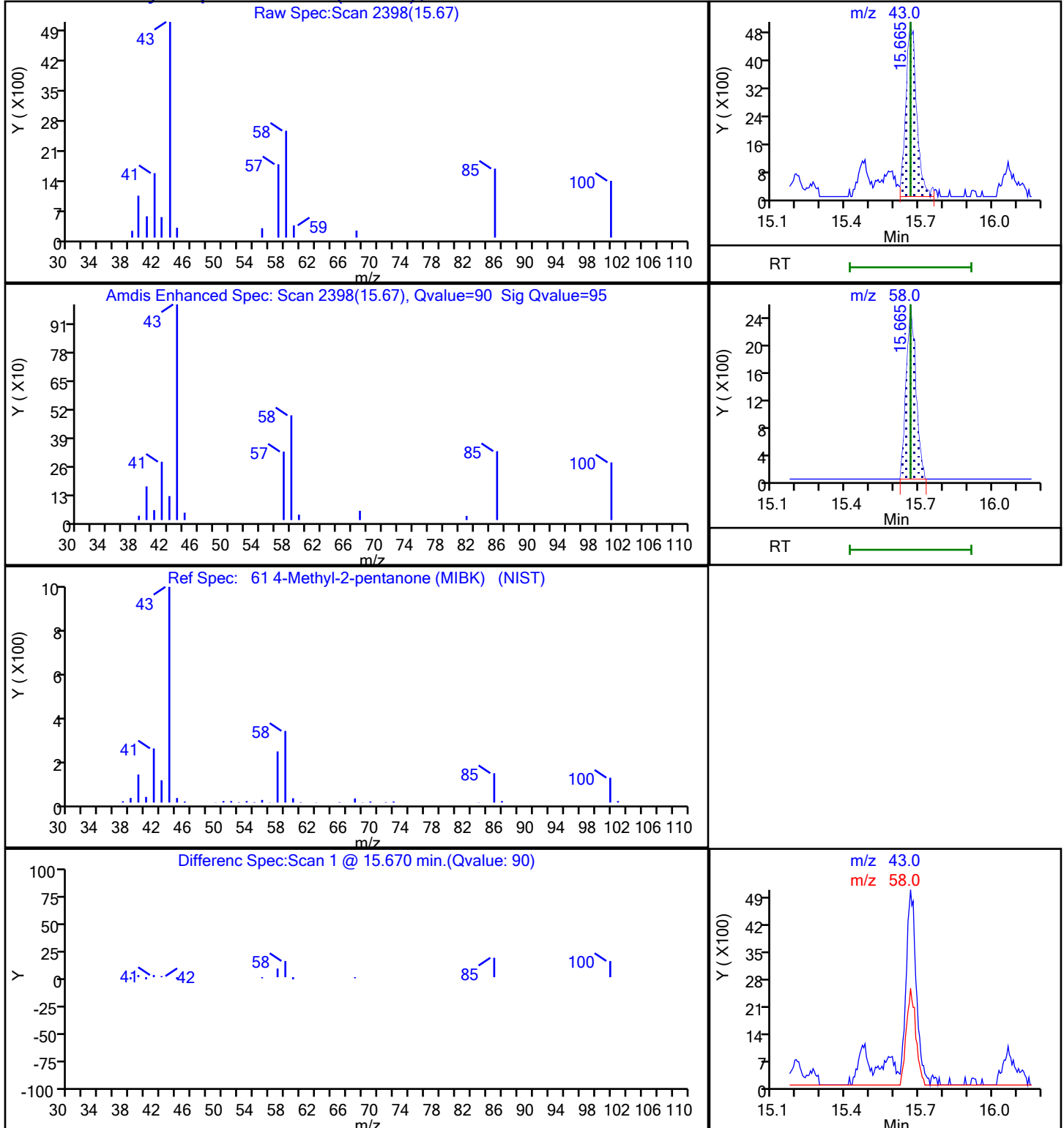
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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

51 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Burlington

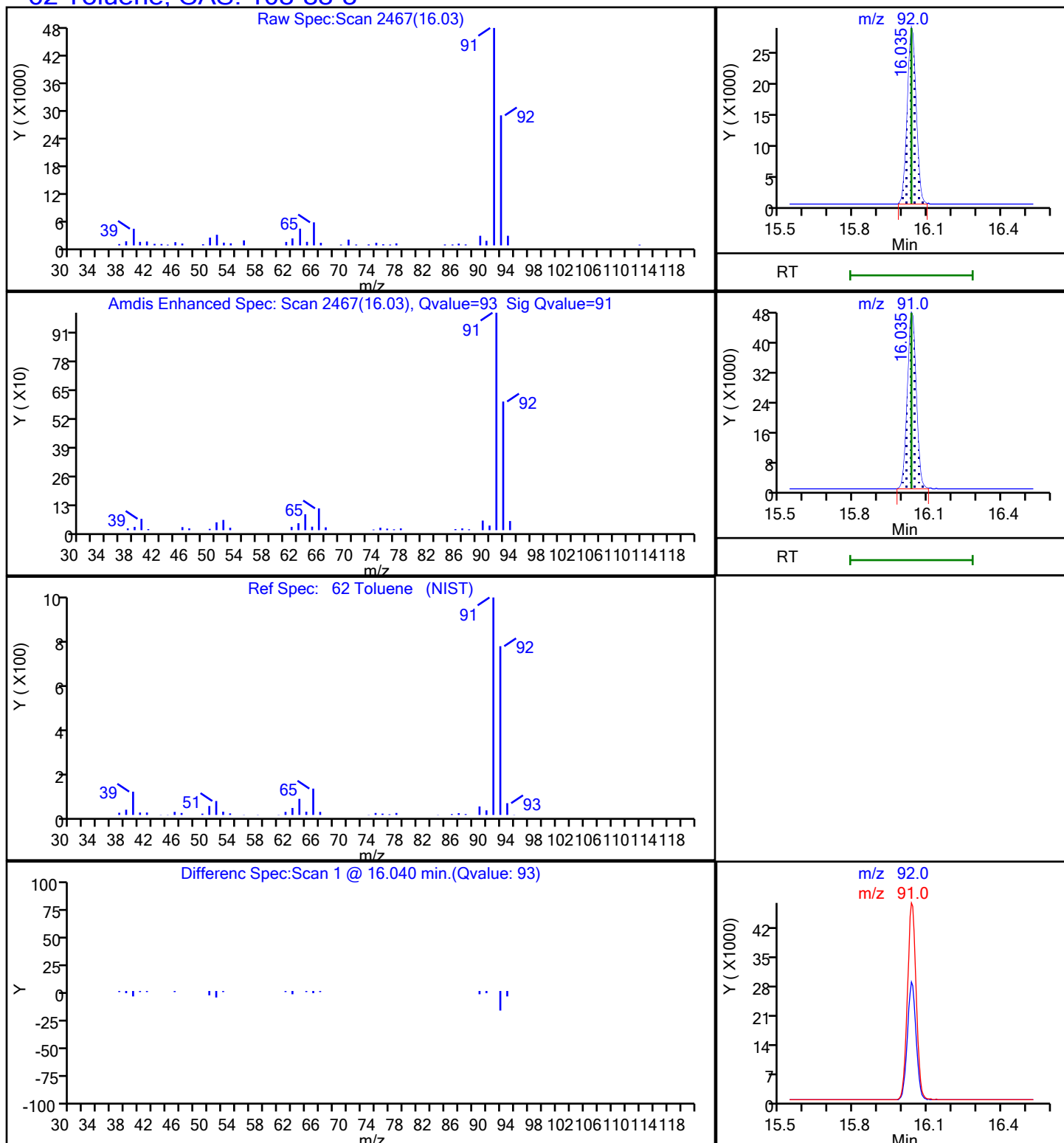
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Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



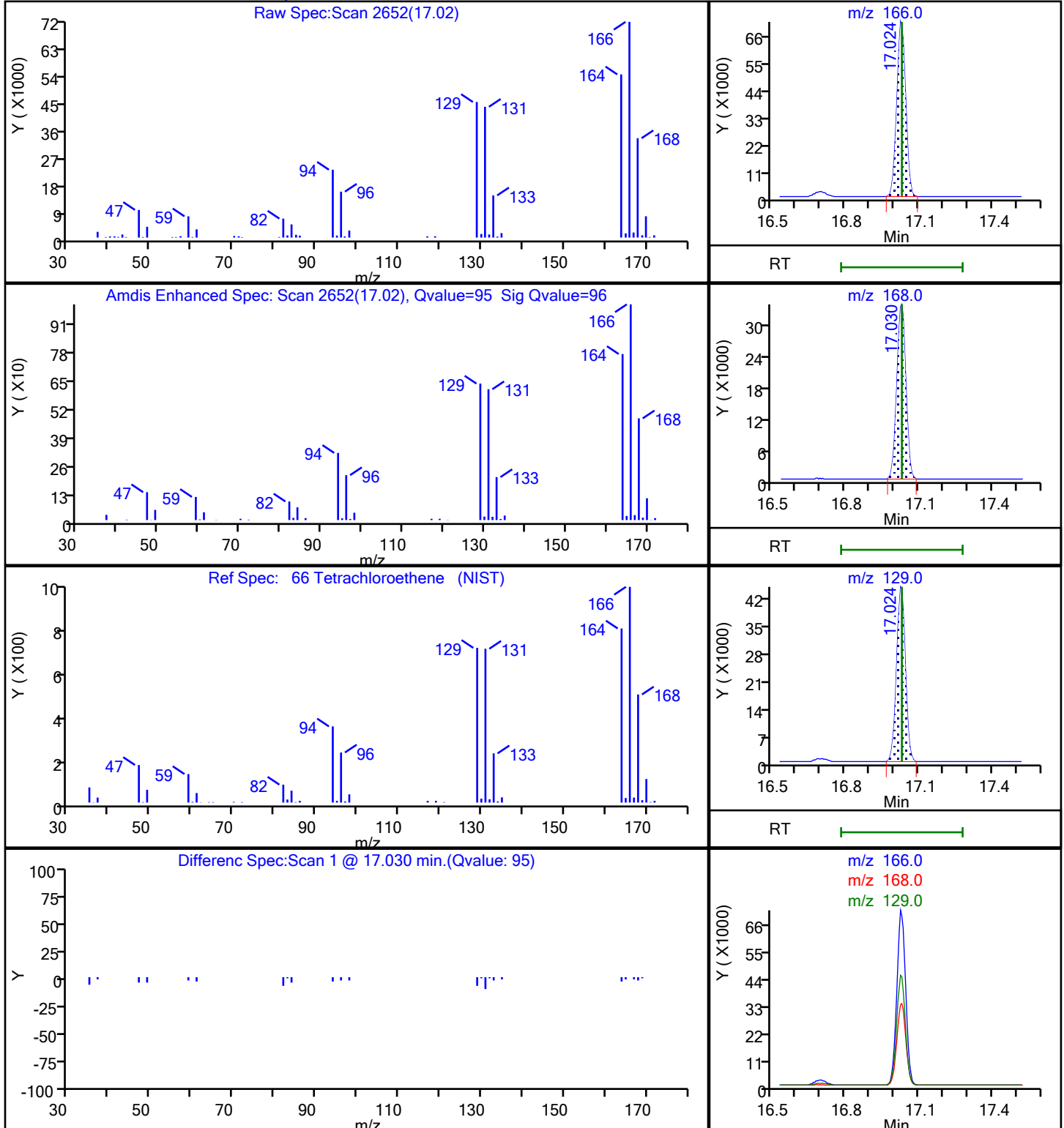
Eurofins TestAmerica, Burlington

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Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

62 Toluene, CAS: 108-88-3

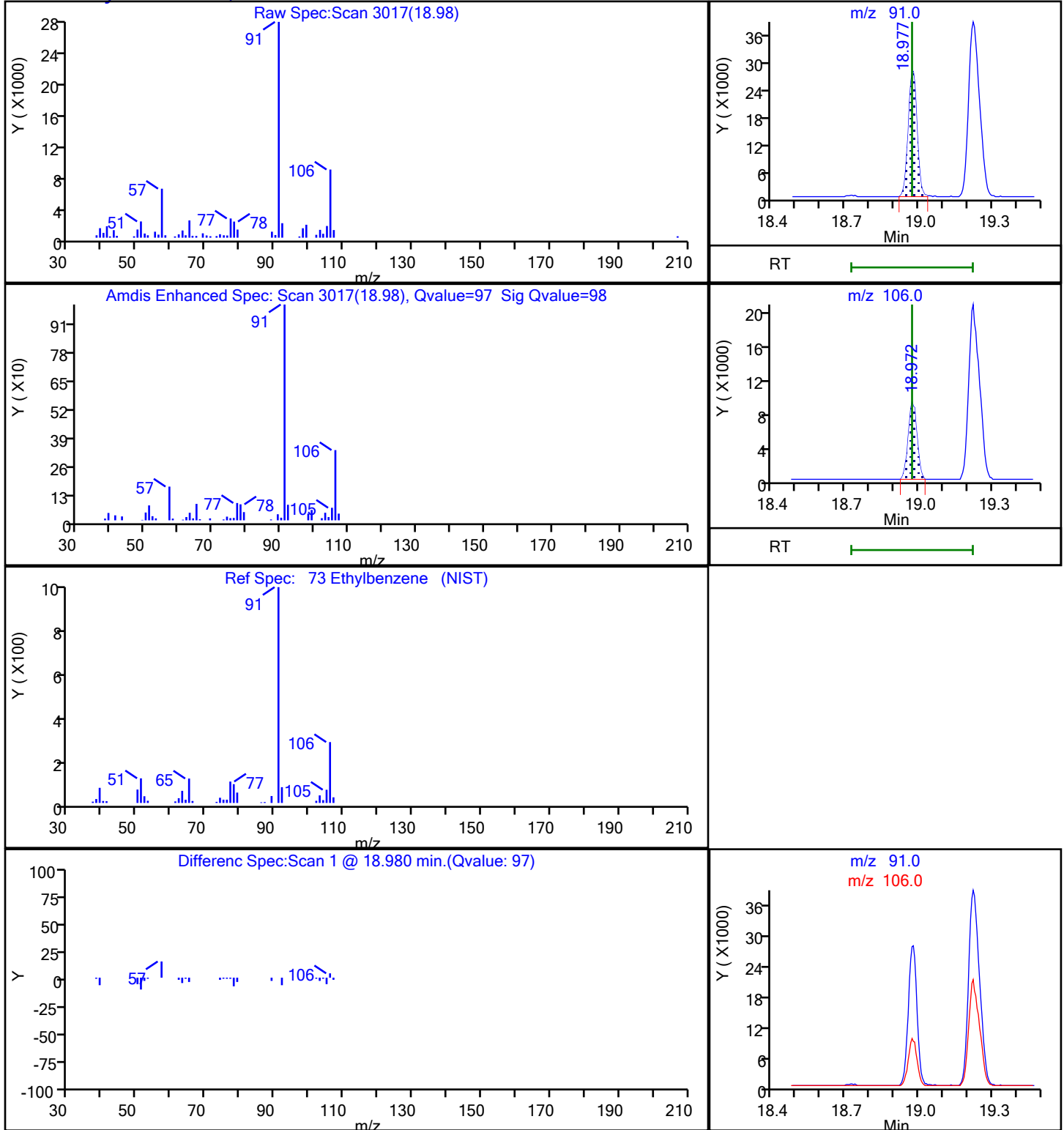
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

66 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

73 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

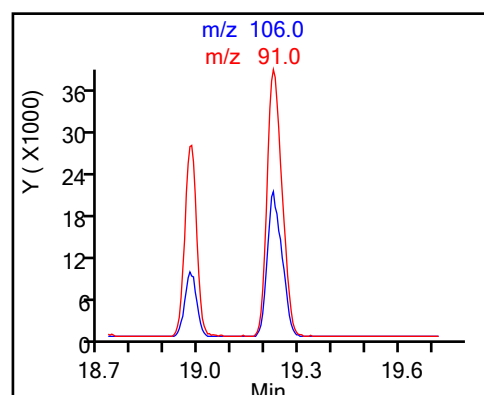
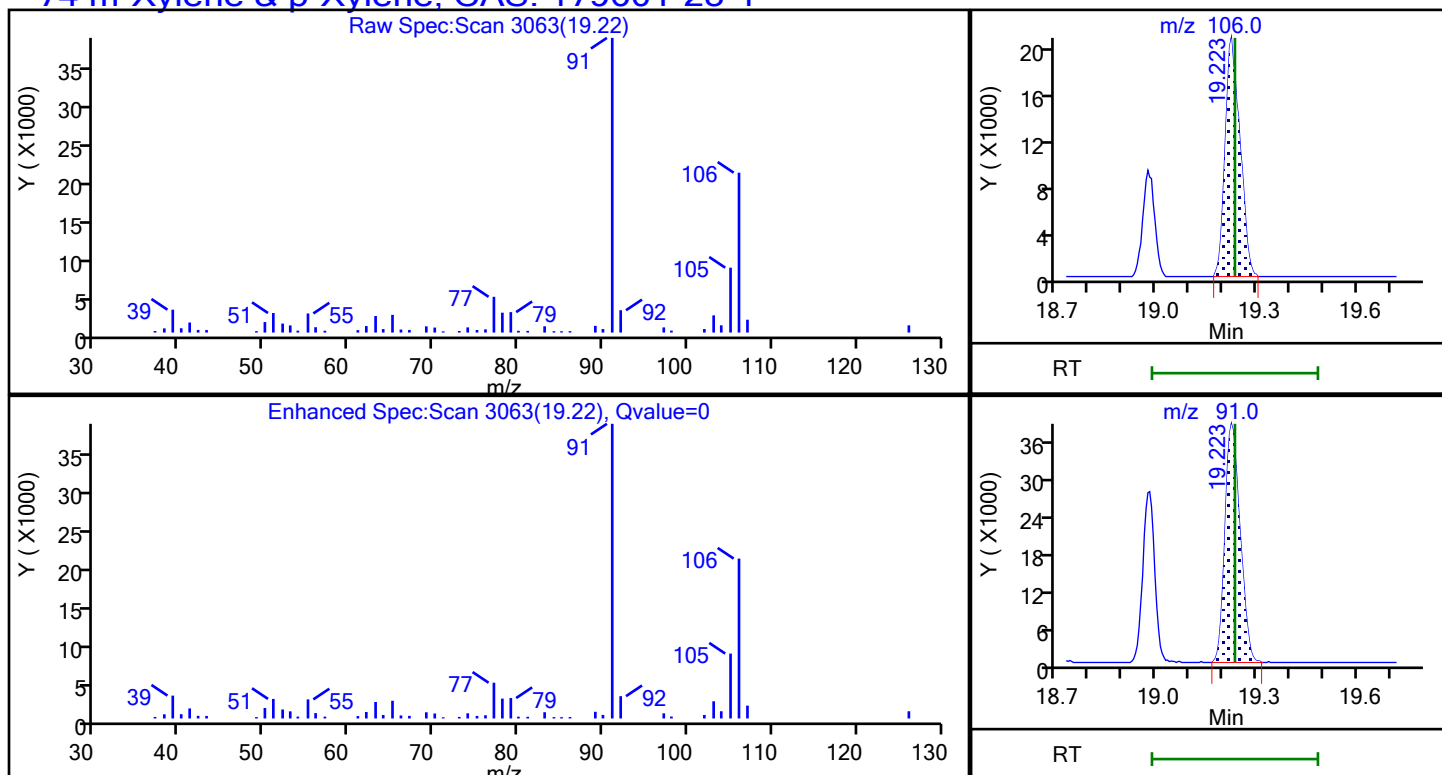
Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d

Injection Date: 25-Oct-2021 21:38:30

Instrument ID: CHW.i

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Client ID: SS- MANUFACTURING

Operator ID: vtp

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 200.000 mL

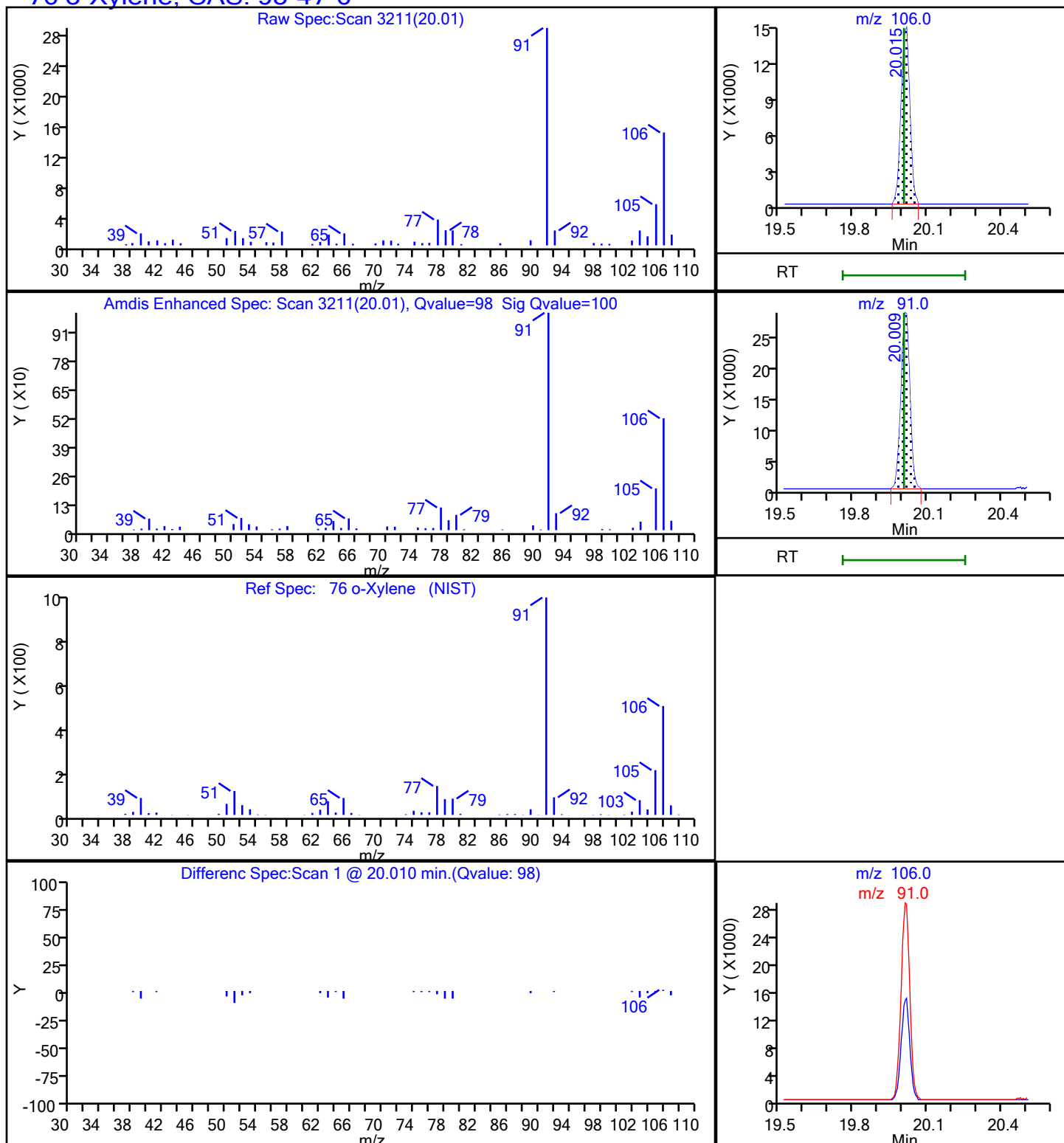
Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

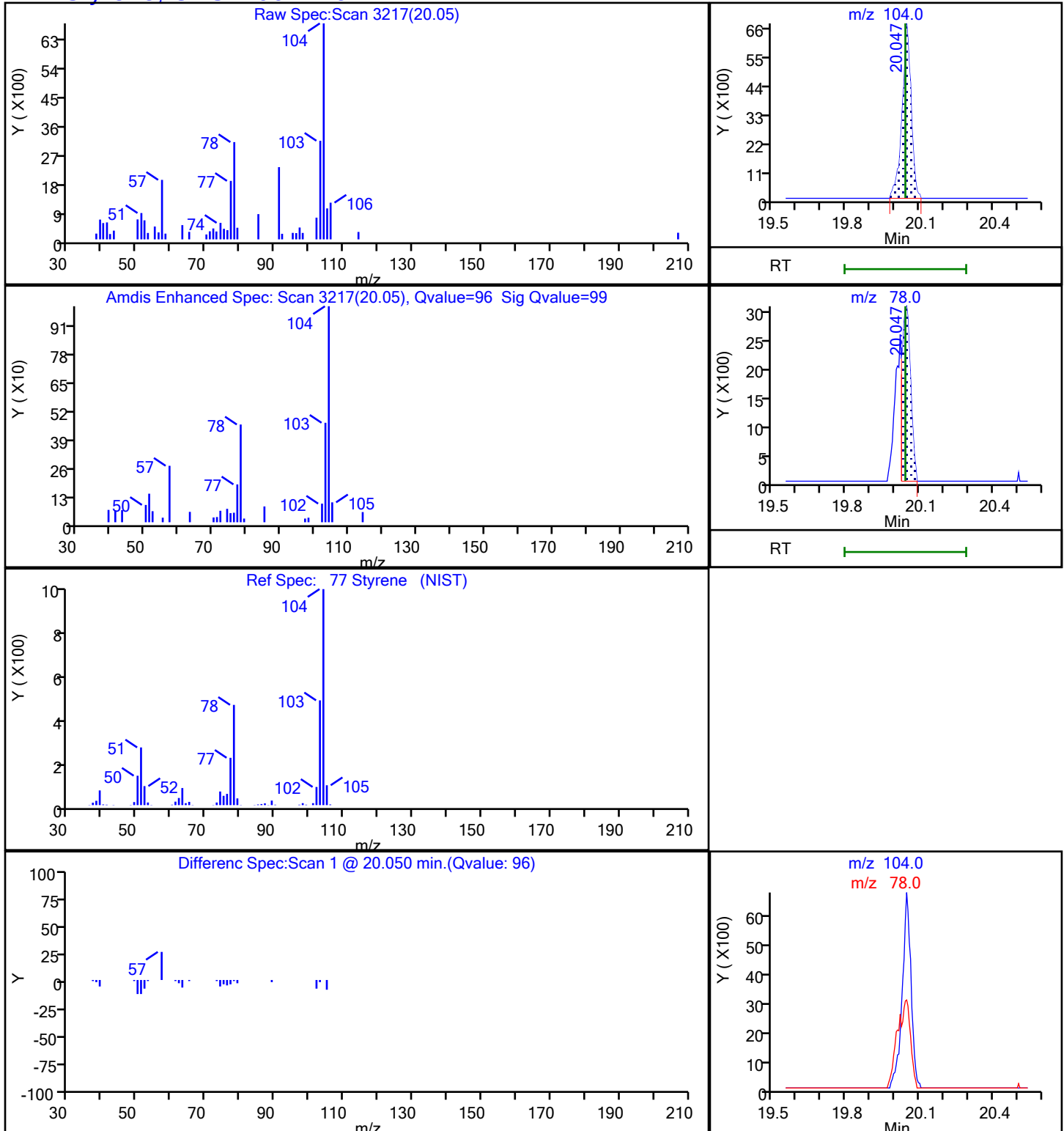
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Detector: MS SCAN

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

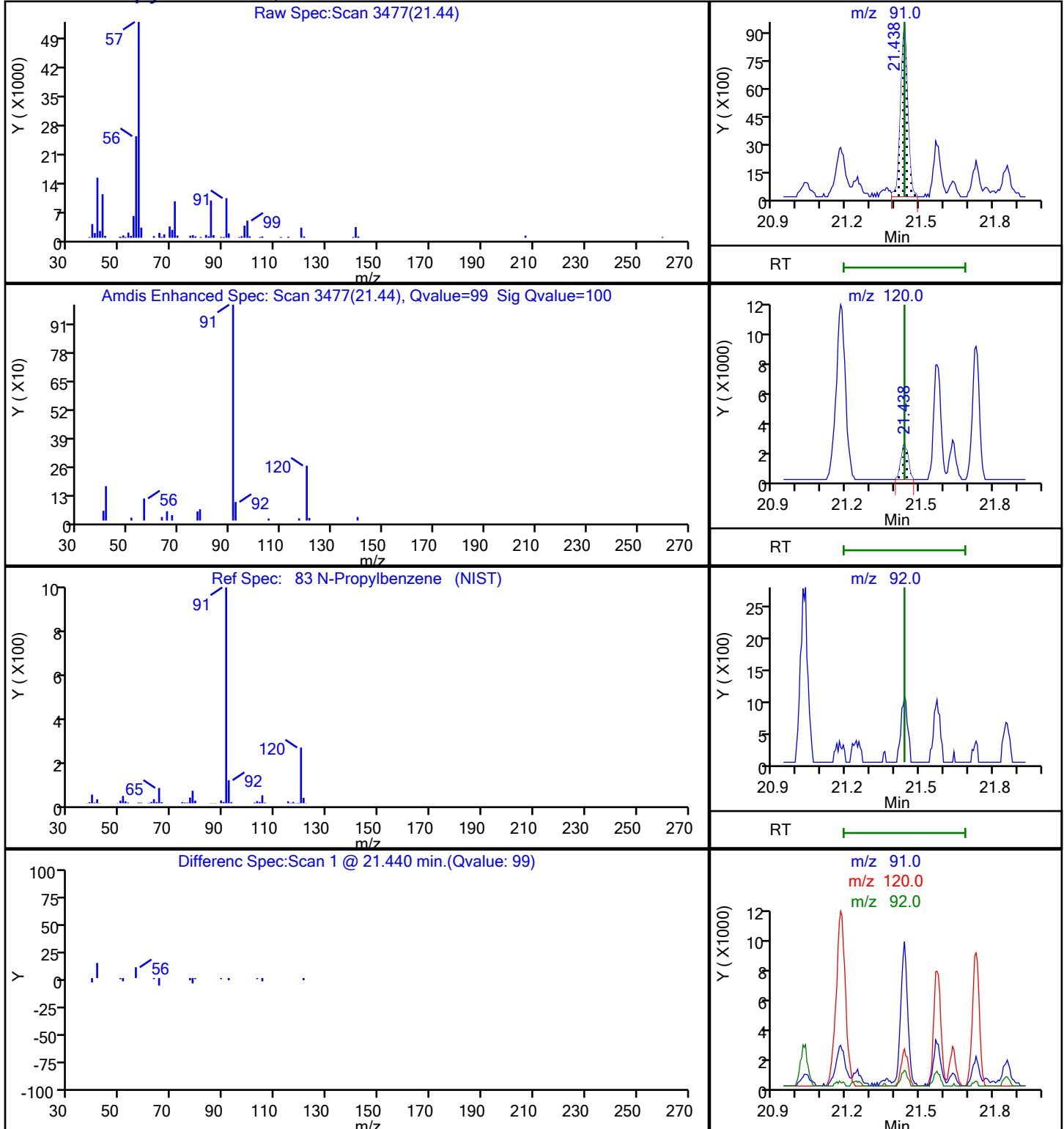
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

77 Styrene, CAS: 100-42-5

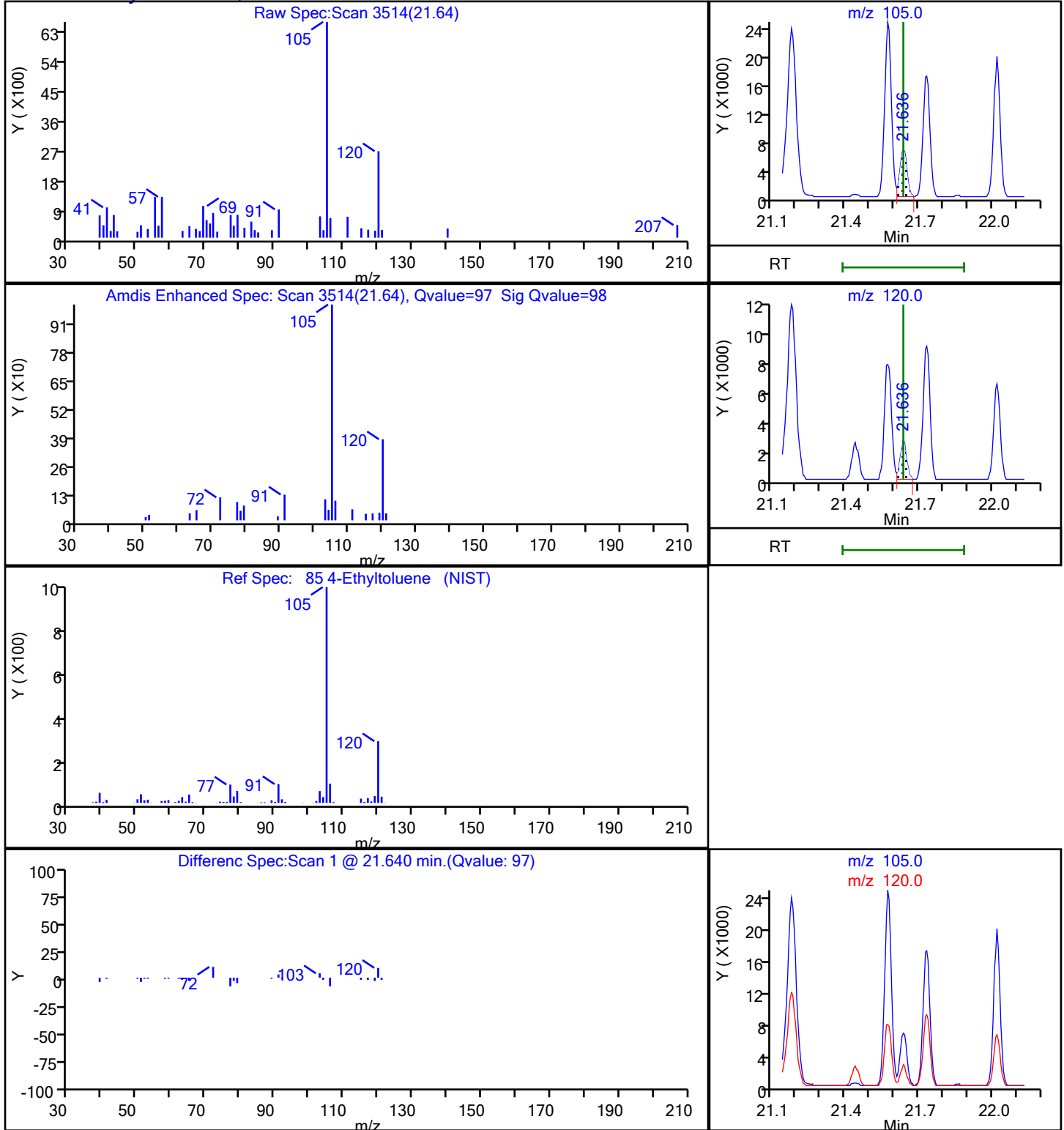
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

83 N-Propylbenzene, CAS: 103-65-1

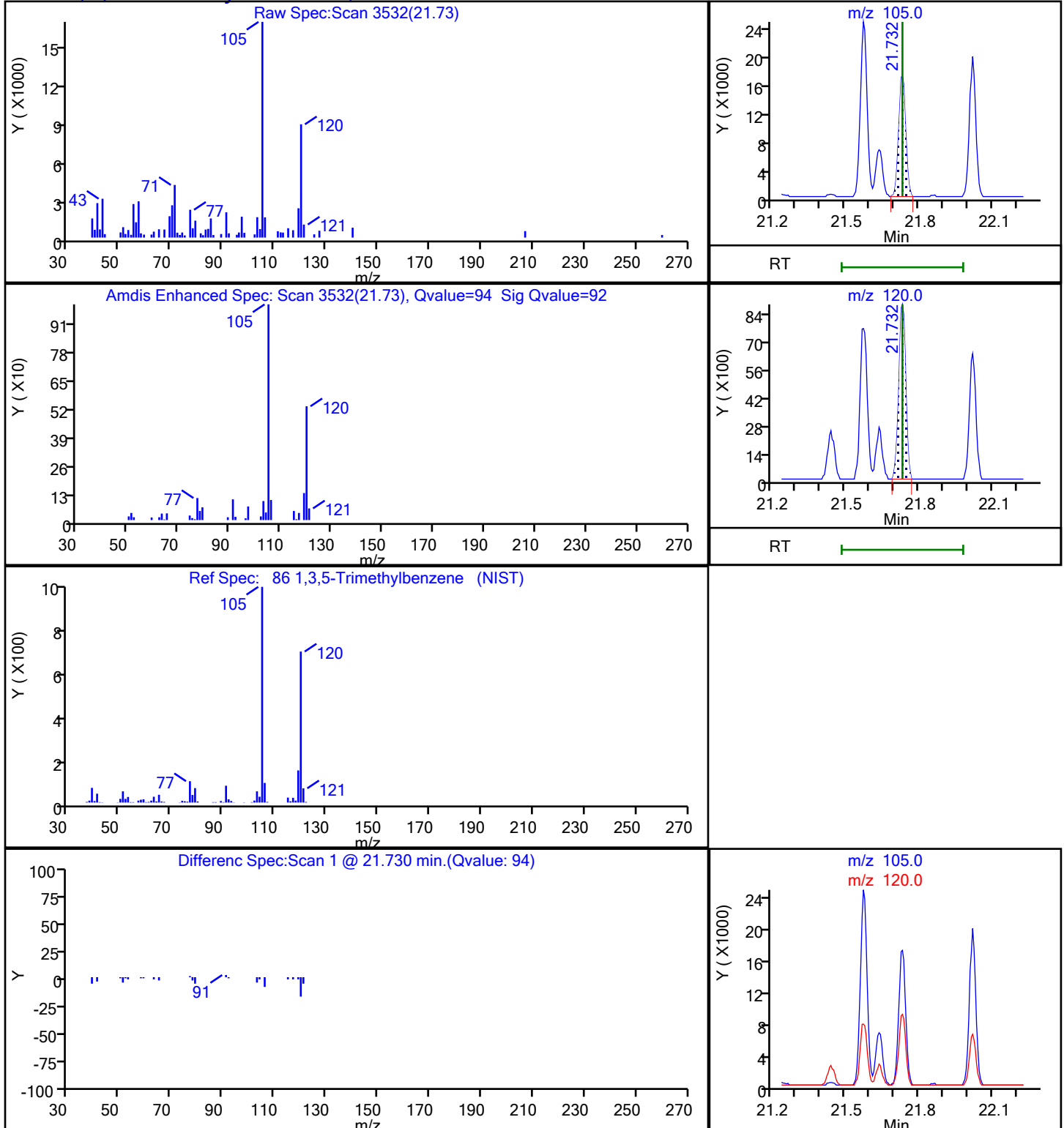
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

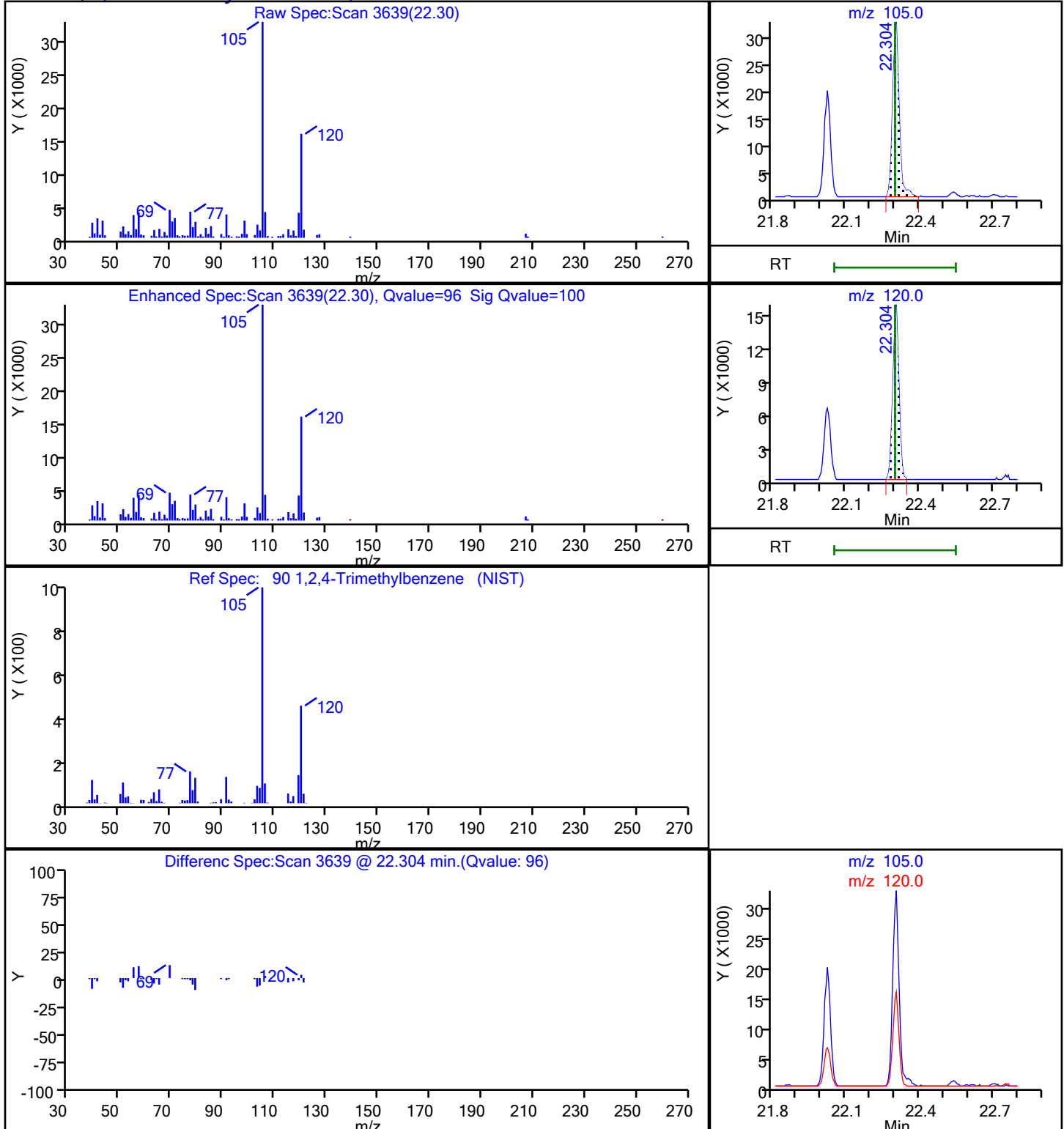
Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

86 1,3,5-Trimethylbenzene, CAS: 108-67-8

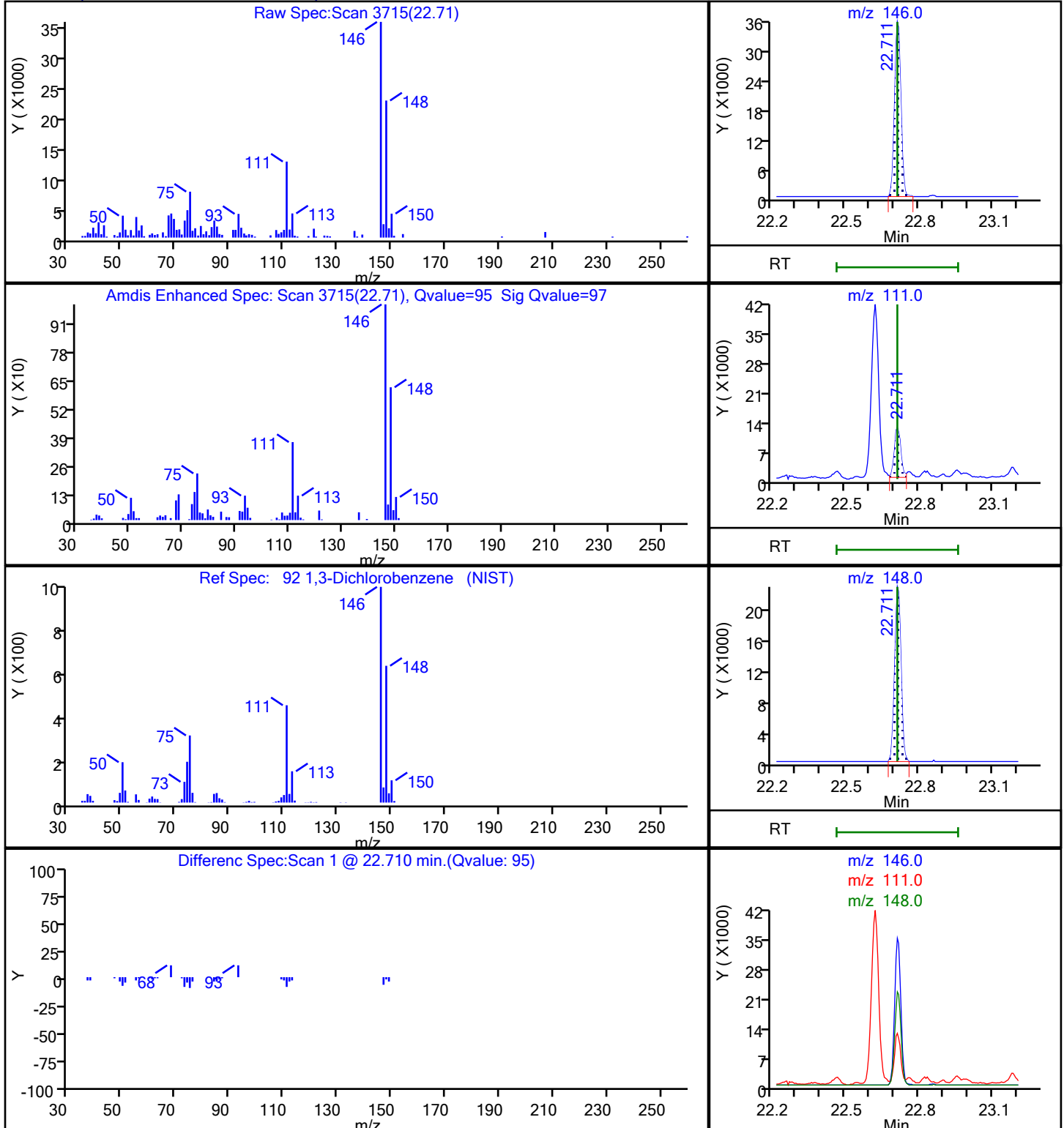
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Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

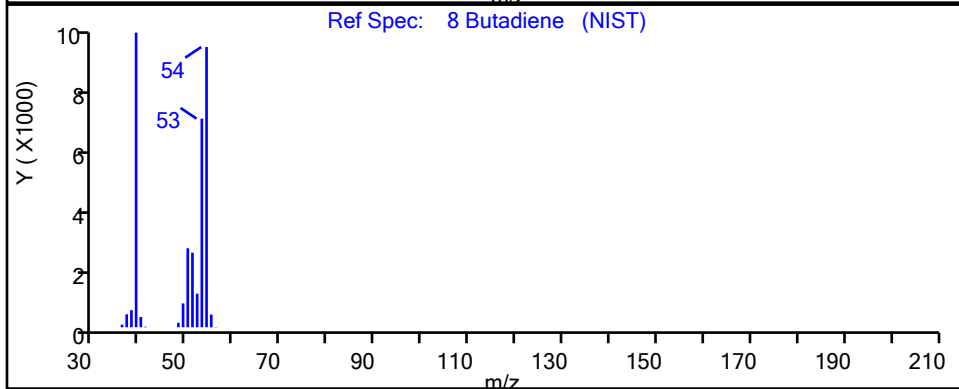
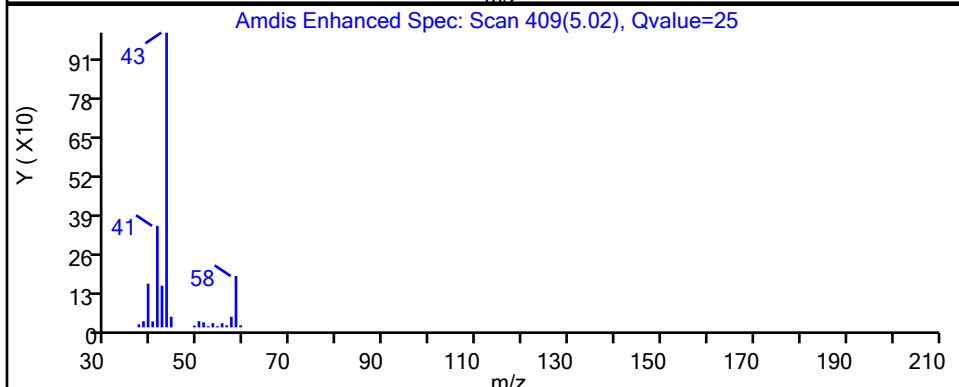
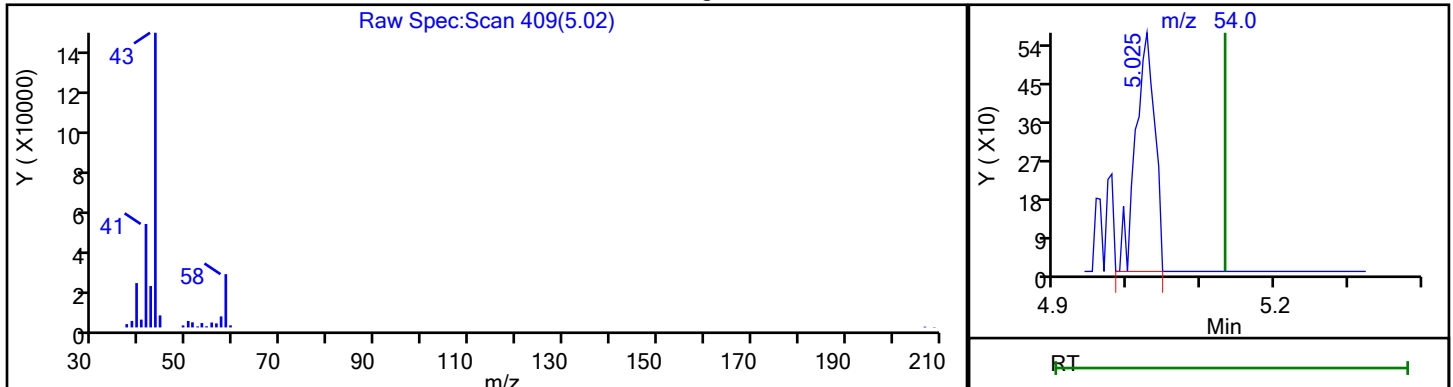
92 1,3-Dichlorobenzene, CAS: 541-73-1

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.02	54.00	1008	0.093150

Reviewer: puangmaleek, 26-Oct-2021 15:09:50

Audit Action: Marked Compound Undetected

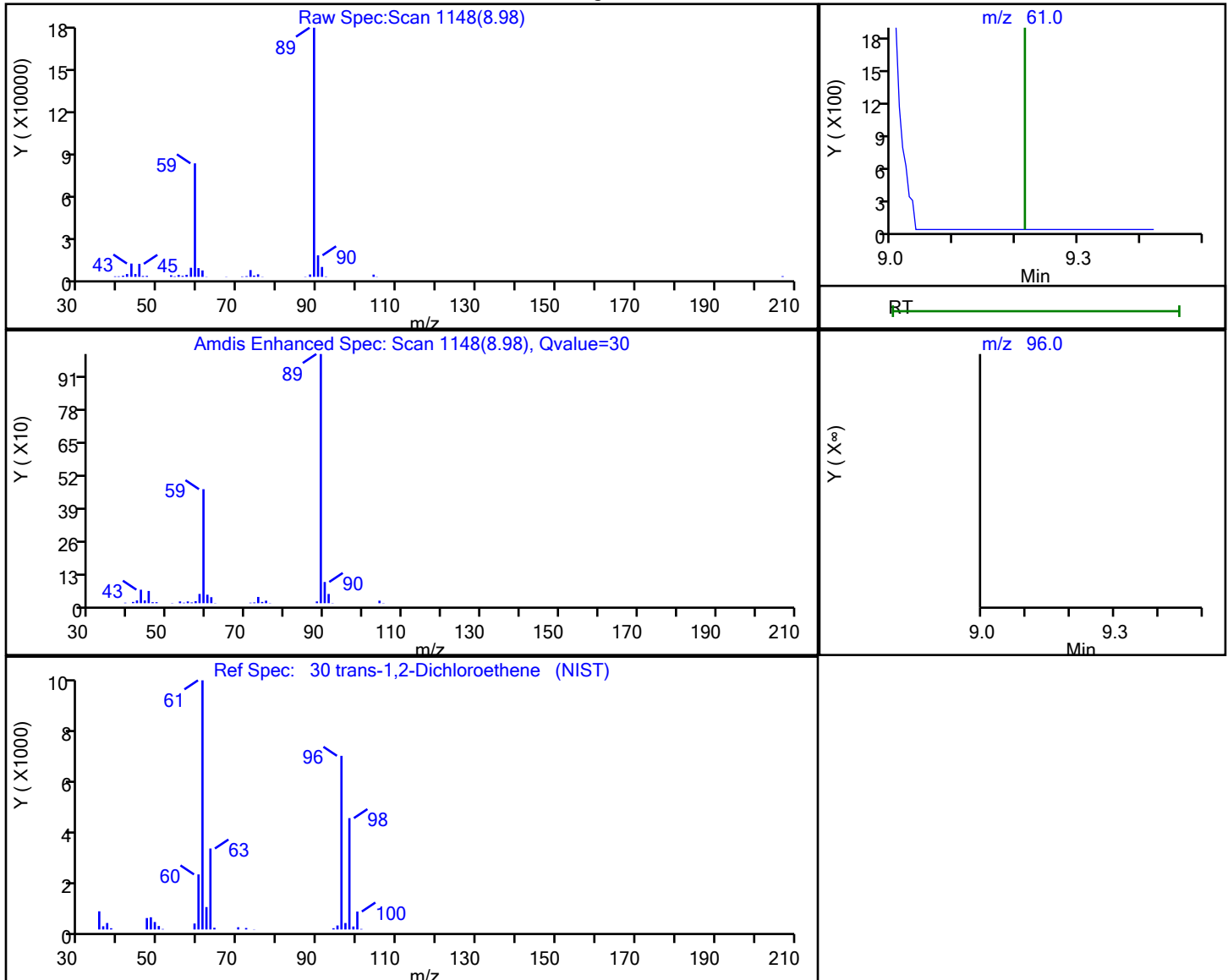
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
8.98	61.00	9273	0.749326
9.21	96.00	0	

Reviewer: puangmaleek, 26-Oct-2021 15:10:07

Audit Action: Marked Compound Undetected

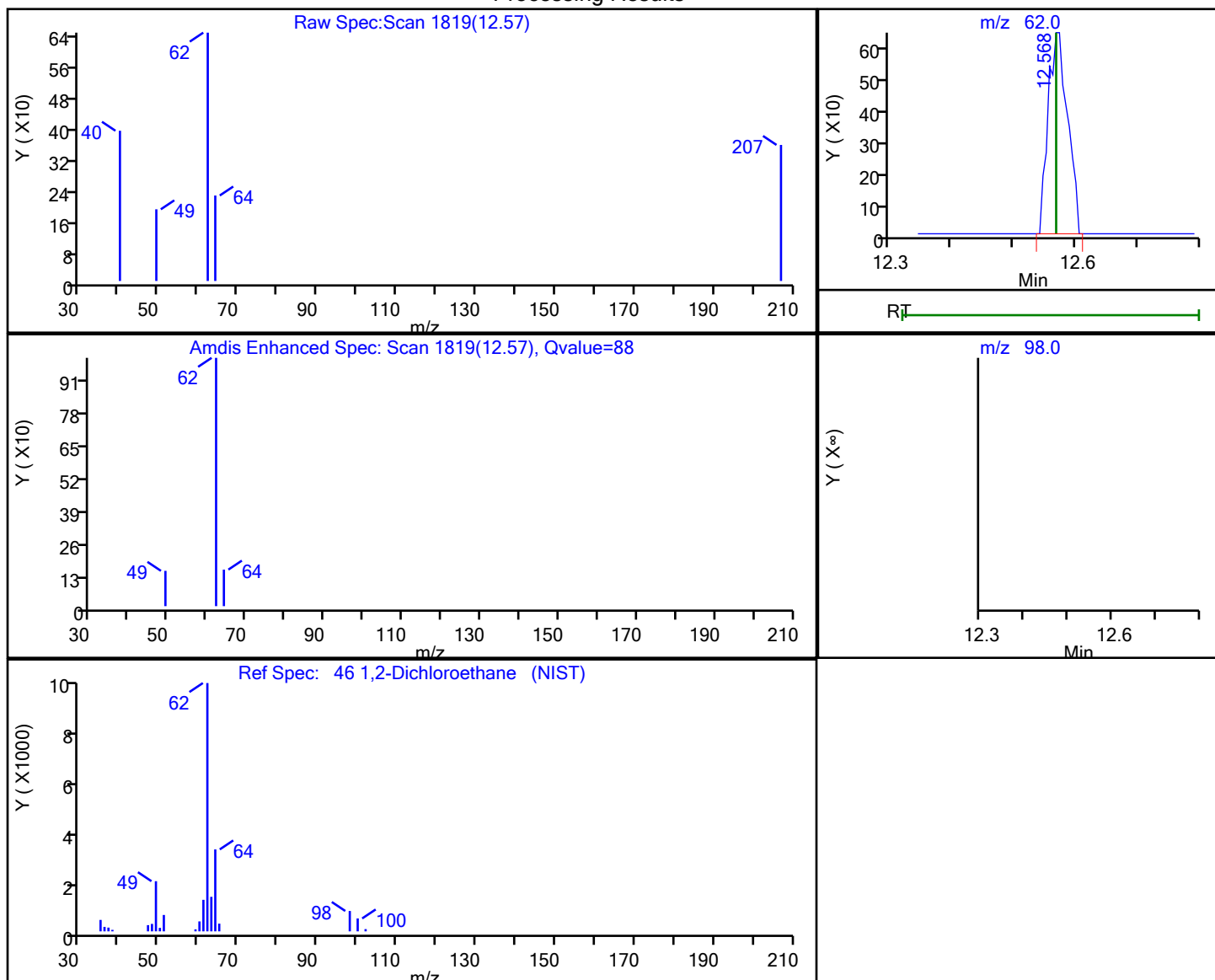
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.57	62.00	1425	0.118456
12.57	98.00	0	

Reviewer: puangmaleek, 26-Oct-2021 15:10:34

Audit Action: Marked Compound Undetected

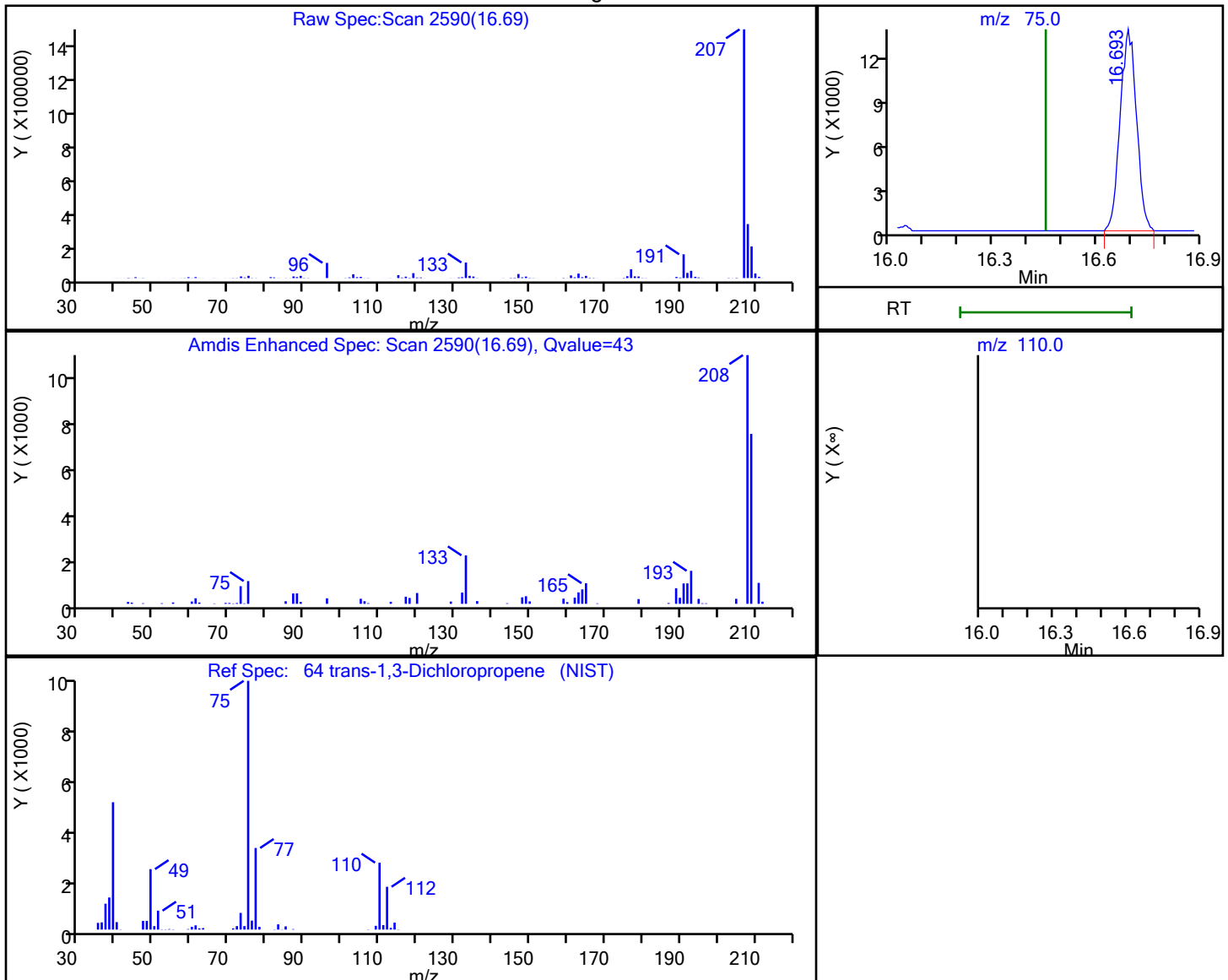
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
16.69	75.00	44182	2.973360
16.45	110.00	0	

Reviewer: puangmaleek, 26-Oct-2021 15:10:49

Audit Action: Marked Compound Undetected

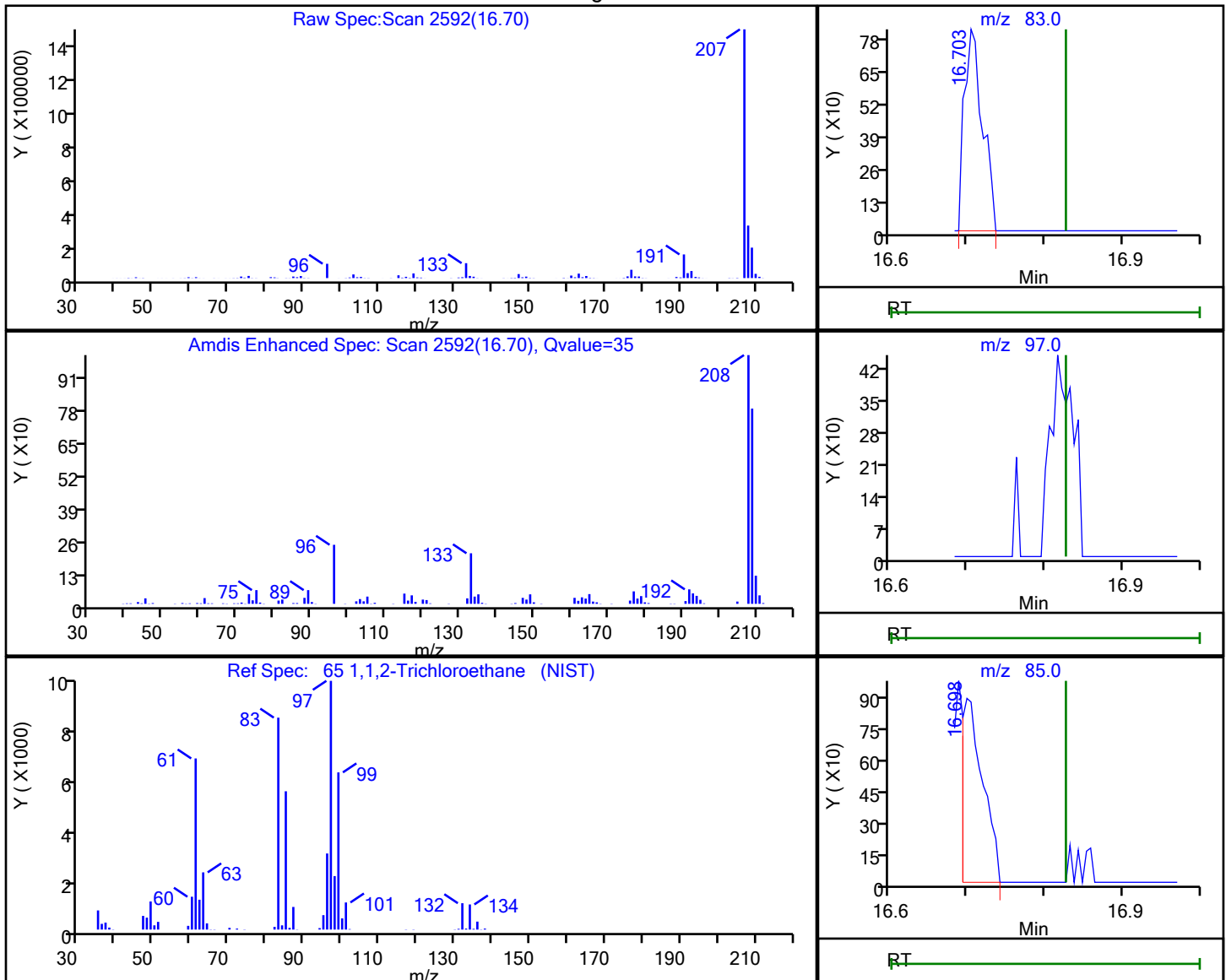
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

65 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
16.70	83.00	1343	0.131006
16.83	97.00	0	
16.70	85.00	1659	

Reviewer: puangmaleek, 26-Oct-2021 15:12:17

Audit Action: Marked Compound Undetected

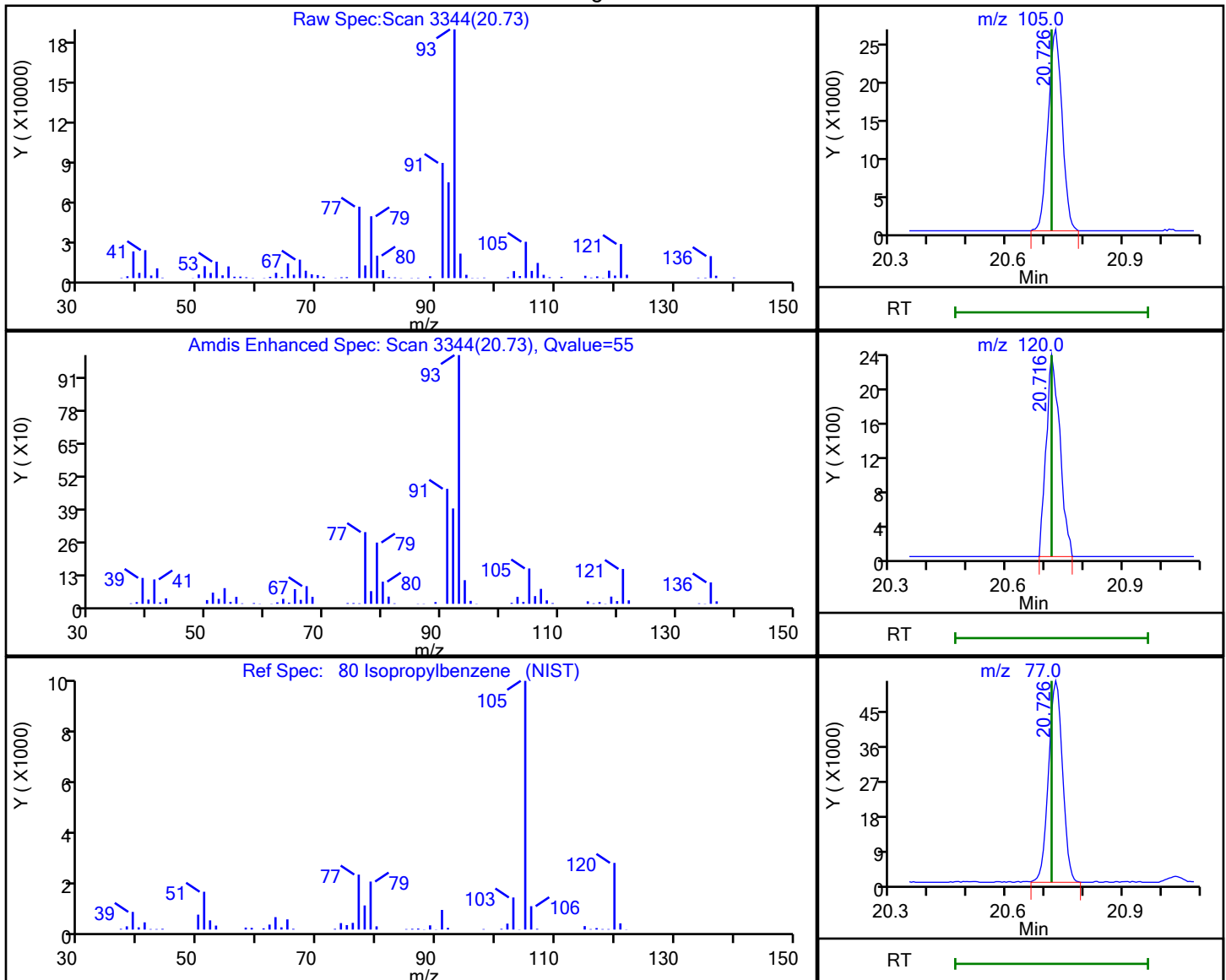
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

80 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
20.73	105.00	66997	1.160605
20.72	120.00	5710	
20.73	77.00	133280	

Reviewer: puangmaleek, 26-Oct-2021 15:12:32

Audit Action: Marked Compound Undetected

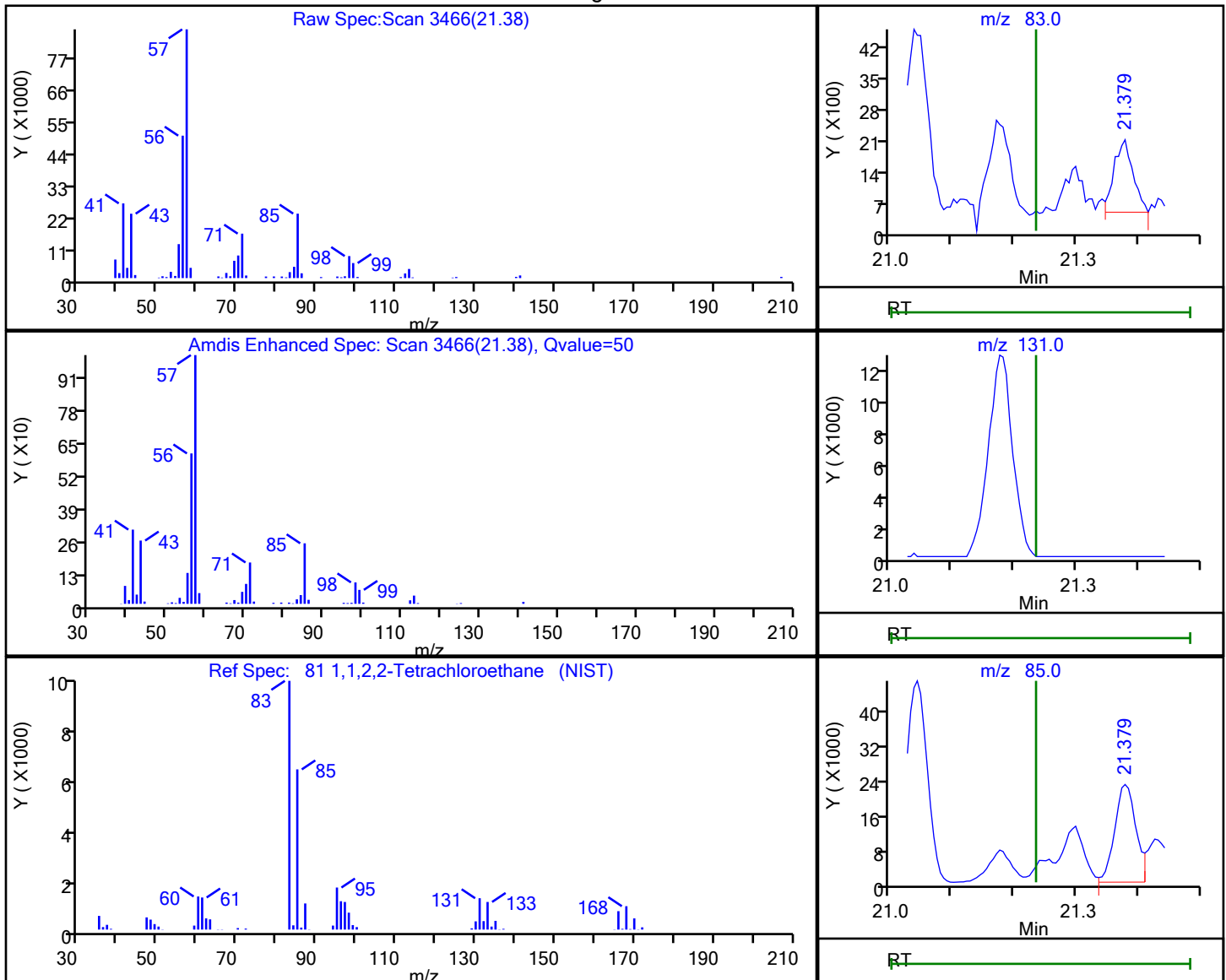
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

81 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.38	83.00	3505	0.133668
21.23	131.00	0	
21.38	85.00	53909	

Reviewer: puangmaleek, 26-Oct-2021 15:12:34

Audit Action: Marked Compound Undetected

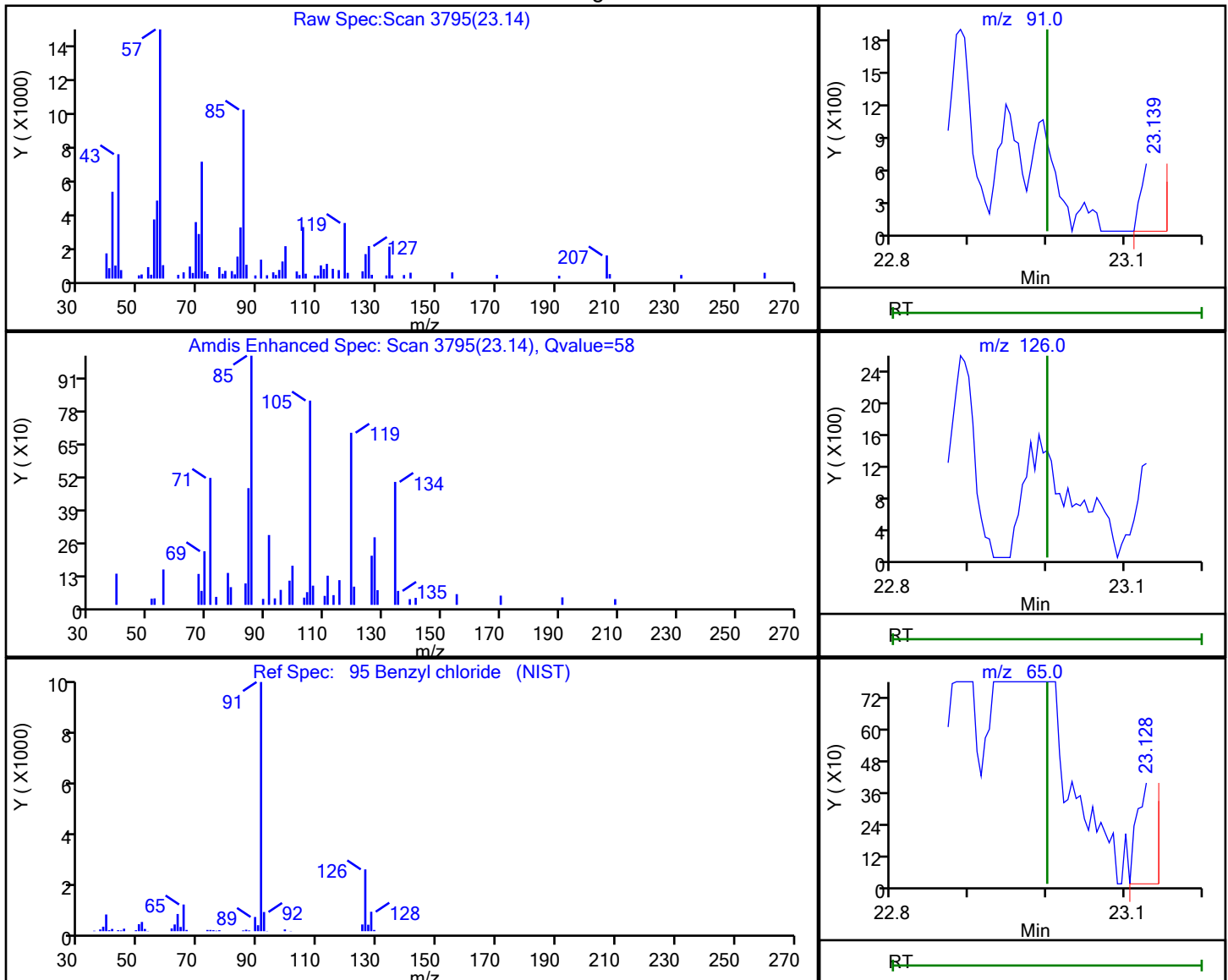
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Eurofins TestAmerica, Burlington

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Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.14	91.00	1777	0.065883
23.00	126.00	0	
23.13	65.00	674	

Reviewer: puangmaleek, 26-Oct-2021 15:13:08

Audit Action: Marked Compound Undetected

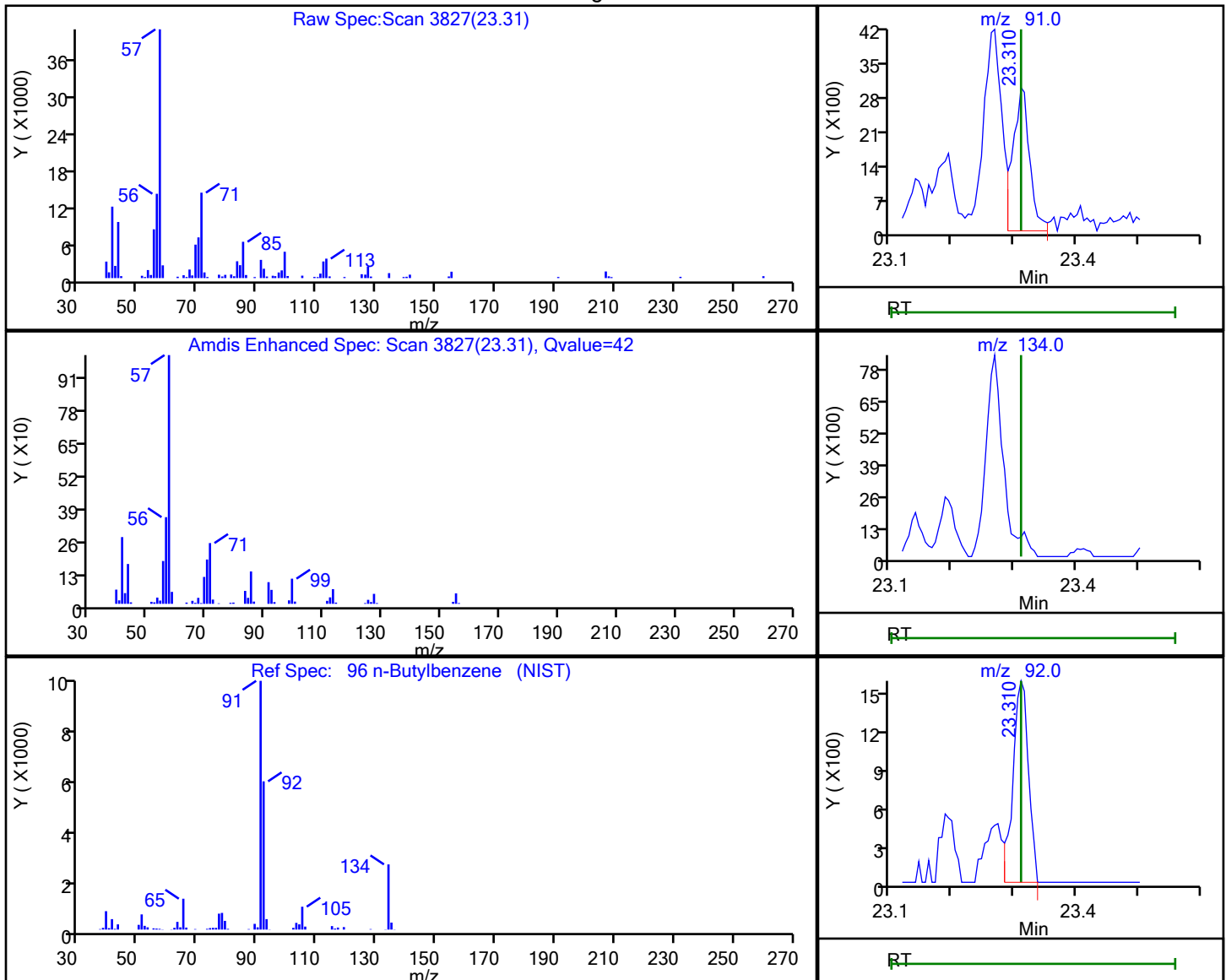
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-017.d
Injection Date: 25-Oct-2021 21:38:30 Instrument ID: CHW.i
Lims ID: 200-60507-A-2 Lab Sample ID: 200-60507-2
Client ID: SS- MANUFACTURING
Operator ID: vtp ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

96 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
23.31	91.00	5586	0.131493
23.31	134.00	0	
23.31	92.00	2646	

Reviewer: puangmaleek, 26-Oct-2021 15:13:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887
SDG No.: 200-60507-1
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-172887/3	48067-003.d
Level 2	IC 200-172887/4	48067-004.d
Level 3	IC 200-172887/21	48067-021.d
Level 4	IC 200-172887/7	48067-007.d
Level 5	ICIS 200-172887/8	48067-008.d
Level 6	IC 200-172887/12	48067-012.d
Level 7	IC 200-172887/13	48067-013.d
Level 8	IC 200-172887/14	48067-014.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	++++ 1.4371	++++ 1.3616	1.9715 1.3368	1.4663	1.3727	Ave		1.491 0				16.1		30.0			
Dichlorodifluoromethane	++++ 5.7692	++++ 5.5728	7.1559 5.5668	5.5083	5.2044	Ave		5.796 2				11.9		30.0			
Freon 22	++++ 2.8651	++++ 2.7529	3.7249 2.7600	2.8194	2.6713	Ave		2.932 3				13.4		30.0			
1,2-Dichlorotetrafluoroethane	++++ 6.2903	6.2939 6.0771	7.7142 6.0910	6.0290	5.7275	Ave		6.317 6				10.2		30.0			
Chloromethane	++++ 1.5918	++++ 1.5295	2.0756 1.5394	1.5986	1.5079	Ave		1.640 5				13.2		30.0			
n-Butane	++++ 1.8309	++++ 1.7810	2.5422 1.7819	1.8983	1.8351	Ave		1.944 9				15.2		30.0			
Vinyl chloride	1.7213 1.6012	1.6549 1.5665	2.1025 1.5807	1.6247	1.5747	Ave		1.678 3				10.7		30.0			
1,3-Butadiene	1.7510 1.0678	1.1452 1.0605	1.4701 1.0721	1.0928	1.0667	Ave		1.215 8				21.1		30.0			
Bromomethane	++++ 2.1007	2.1913 2.0171	2.4692 2.0187	2.0298	1.9151	Ave		2.106 0				8.6		30.0			
Chloroethane	++++ 0.9279	++++ 0.8931	1.1100 0.8925	0.9278	0.8623	Ave		0.935 6				9.5		30.0			
Isopentane	++++ 1.5050	1.7736 1.4350	1.8735 1.3796	1.5353	1.4347	Ave		1.562 4				12.0		30.0			
Bromoethene (Vinyl Bromide)	++++ 2.0166	2.0057 1.9318	2.3305 1.9021	1.9557	1.8499	Ave		1.998 9				7.9		30.0			
Trichlorofluoromethane	++++ 4.4448	4.5020 4.2737	5.2378 4.2588	4.3582	4.0941	Ave		4.452 8				8.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887
SDG No.: 200-60507-1
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

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-Pentane	++++ 2.0005	++++ 1.8942	2.3856 1.8006	2.0186	1.8944	Ave		1.999 0				10.3		30.0			
Ethanol	++++ 0.5097	++++ 0.4816	0.3640 0.4705	0.3514	0.4821	Ave		0.443 2				15.3		30.0			
Ethyl ether	++++ 0.9315	0.8070 0.8947	1.0027 0.8724	0.9198	0.8685	Ave		0.899 5				6.8		30.0			
Acrolein	++++ 0.4990	++++ 0.4878	0.4542 0.4724	0.4897	0.4912	Ave		0.482 4				3.4		30.0			
1,1-Dichloroethene	1.8954 1.6012	1.6246 1.5255	1.7899 1.4497	1.5902	1.5053	Ave		1.622 7				9.2		30.0			
Freon TF	++++ 3.3073	3.6034 3.1567	3.7476 2.9570	3.2996	3.0899	Ave		3.308 8				8.5		30.0			
Acetone	++++ 1.4373	++++ 1.3691	1.6390 1.3085	1.4827	1.3939	Ave		1.438 4				8.0		30.0			
Isopropyl alcohol	++++ 1.5035	++++ 1.4477	1.4401 1.4411	1.4888	1.4241	Ave		1.457 6				2.1		30.0			
Carbon disulfide	++++ 3.7442	++++ 3.5667	4.4846 3.4401	3.7707	3.5265	Ave		3.755 5				10.1		30.0			
Acetonitrile	++++ 0.5712	++++ 0.5368	0.5165 0.5387	0.5803	0.5368	Ave		0.546 7				4.4		30.0			
3-Chloropropene	++++ 1.0181	1.2323 0.9547	0.7616 0.8927	0.4918	0.9680	Ave		0.902 7				25.5		30.0			
Methylene Chloride	++++ 0.9313	++++ 0.8870	1.0822 0.8781	0.9735	0.8980	Ave		0.941 7				8.2		30.0			
tert-Butyl alcohol	++++ 1.8382	++++ 1.7724	1.8602 1.7787	1.8519	1.7623	Ave		1.810 6				2.4		30.0			
Acrylonitrile	++++ 0.5864	++++ 0.5517	0.5240 0.5345	0.5828	0.5529	Ave		0.555 4				4.5		30.0			
trans-1,2-Dichloroethene	1.1951 1.4147	1.5598 1.3194	1.5592 1.2391	1.4696	1.3660	Ave		1.390 4				9.8		30.0			
Methyl tert-butyl ether	++++ 3.1626	3.0699 3.0159	3.3391 2.8708	3.1679	2.9963	Ave		3.088 9				4.9		30.0			
n-Hexane	++++ 1.2867	1.3363 1.2004	1.4020 1.1650	1.3440	1.2584	Ave		1.284 7				6.5		30.0			
1,1-Dichloroethane	1.9555 1.7337	1.8994 1.6232	1.9182 1.5234	1.8242	1.6705	Ave		1.768 5				8.8		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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887
SDG No.: 200-60507-1
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

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								
Vinyl acetate	++++ 1.9198	++++ 1.7934	1.8038 1.6981	1.9577	1.8450	Ave		1.836 3				5.1		30.0			
Methyl Ethyl Ketone	++++ 0.5139	++++ 0.4935	0.4386 0.4766	0.5114	0.4925	Ave		0.487 8				5.7		30.0			
cis-1,2-Dichloroethene	1.3234 1.3176	1.4185 1.2468	1.3927 1.1836	1.3576	1.2777	Ave		1.314 7				5.9		30.0			
Ethyl acetate	++++ 0.1083	++++ 0.1072	0.0561 0.1039	0.1076	0.1012	Ave		0.097 4				21.0		30.0			
Tetrahydrofuran	++++ 0.1688	++++ 0.1592	0.1754 0.1597	0.1725	0.1650	Ave		0.166 8				4.0		30.0			
Chloroform	++++ 2.5186	2.7110 2.4048	2.6683 2.4131	2.5647	2.4145	Ave		2.527 8				5.0		30.0			
1,1,1-Trichloroethane	++++ 0.6218	0.6476 0.5927	0.6660 0.6029	0.6166	0.5901	Ave		0.619 7				4.6		30.0			
Cyclohexane	++++ 0.3374	0.3382 0.3156	0.3626 0.3150	0.3468	0.3298	Ave		0.335 1				5.1		30.0			
Carbon tetrachloride	0.7326 0.6783	0.6390 0.6508	0.7467 0.6712	0.6797	0.6484	Ave		0.680 8				5.8		30.0			
Benzene	++++ 0.7133	0.8406 0.6666	0.8213 0.6685	0.7665	0.7127	Ave		0.741 4				9.4		30.0			
1,2-Dichloroethane	++++ 0.3159	0.3105 0.3007	0.3351 0.2996	0.3138	0.2994	Ave		0.310 7				4.1		30.0			
2,2,4-Trimethylpentane	++++ 0.9134	0.9523 0.8474	0.9480 0.8294	0.9614	0.9095	Ave		0.908 7				5.7		30.0			
n-Heptane	++++ 0.2813	0.3225 0.2607	0.2939 0.2551	0.3015	0.2808	Ave		0.285 1				8.2		30.0			
n-Butanol	++++ 0.1365	++++ 0.1332	0.0930 0.1347	0.1282	0.1324	Ave		0.126 3				13.1		30.0			
Trichloroethene	0.3691 0.3678	0.4029 0.3500	0.3719 0.3491	0.3724	0.3541	Ave		0.367 2				4.7		30.0			
1,2-Dichloropropane	++++ 0.2177	0.2237 0.2025	0.2524 0.1961	0.2365	0.2220	Ave		0.221 6				8.7		30.0			
Methyl methacrylate	++++ 0.2413	++++ 0.2309	0.1956 0.2264	0.2374	0.2387	Ave		0.228 4				7.4		30.0			
1,4-Dioxane	++++ 0.1458	++++ 0.1372	++++ 0.1294	0.1732	0.1535	Ave		0.147 8				11.4		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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887
SDG No.: 200-60507-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

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								
Dibromomethane	++++ 0.4717	0.4918 0.4434	0.5027 0.4227	0.4884	0.4563	Ave		0.468 1				6.2		30.0			
Bromodichloromethane	++++ 0.5681	0.5756 0.5415	0.5732 0.5496	0.5677	0.5435	Ave		0.559 9				2.6		30.0			
cis-1,3-Dichloropropene	++++ 0.4494	0.4196 0.4246	0.4359 0.4307	0.4401	0.4285	Ave		0.432 7				2.3		30.0			
methyl isobutyl ketone	++++ 0.3709	++++ 0.3474	0.3261 0.3522	0.3819	0.3729	Ave		0.358 6				5.7		30.0			
Toluene	++++ 0.6611	0.7457 0.6175	0.7469 0.6042	0.7181	0.6648	Ave		0.679 7				8.6		30.0			
n-Octane	++++ 0.3933	0.3984 0.3635	0.3942 0.3526	0.4290	0.3968	Ave		0.389 7				6.4		30.0			
trans-1,3-Dichloropropene	++++ 0.4137	0.3429 0.3935	0.3561 0.4007	0.3864	0.3934	Ave		0.383 8				6.6		30.0			
1,1,2-Trichloroethane	++++ 0.3032	0.3176 0.2880	0.3248 0.2831	0.3137	0.2938	Ave		0.303 5				5.2		30.0			
Tetrachloroethene	0.8135 0.7622	0.8730 0.7158	0.8930 0.6932	0.7925	0.7400	Ave		0.785 4				9.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.4034	++++ 0.3828	0.3233 0.3880	0.3895	0.3937	Ave		0.380 1				7.5		30.0			
Dibromochloromethane	++++ 0.8989	0.6877 0.8519	0.9547 0.8365	0.9037	0.8716	Ave		0.857 9				9.8		30.0			
1,2-Dibromoethane	++++ 0.5968	0.5531 0.5677	0.6069 0.5755	0.6100	0.5798	Ave		0.584 2				3.6		30.0			
Chlorobenzene	++++ 0.9368	1.0531 0.8798	1.1058 0.8846	1.0360	0.9474	Ave		0.977 7				9.0		30.0			
Ethylbenzene	++++ 1.4650	1.4783 1.3631	1.6427 1.3430	1.6061	1.4724	Ave		1.481 5				7.6		30.0			
m,p-Xylene	++++ 0.5779	0.5755 0.5368	0.4090 0.5139	0.6742	0.5973	Ave		0.555 0				14.8		30.0			
n-Nonane	++++ 0.4795	0.3681 0.4452	0.4661 0.4247	0.5765	0.4972	Ave		0.465 4				13.9		30.0			
Xylene, o-	++++ 0.5854	0.5623 0.5464	0.6395 0.5214	0.6478	0.5856	Ave		0.584 1				8.0		30.0			
Styrene	++++ 0.8551	0.6774 0.8012	0.7989 0.7929	0.9835	0.8982	Ave		0.829 6				11.6		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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887
SDG No.: 200-60507-1
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

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								
Bromoform	++++ 0.9069	0.3665 0.8701	0.8865 0.7857	0.8999	0.9021	Ave		0.802 5				24.5		30.0			
Cumene	++++ 1.7385	1.5866 1.6163	1.8045 1.5501	1.9191	1.7461	Ave		1.708 8				7.7		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.7853	0.7771 0.7408	0.8110 0.7105	0.8296	0.7790	Ave		0.776 2				5.2		30.0			
1,2,3-Trichloropropane	++++ 0.5826	++++ 0.5496	0.6358 0.5329	0.6093	0.5707	Ave		0.580 1				6.5		30.0			
n-Propylbenzene	++++ 1.8976	1.5469 1.7685	1.7828 1.7236	2.1082	1.9185	Ave		1.820 9				9.7		30.0			
2-Chlorotoluene	++++ 1.1963	1.0840 1.1288	1.2878 1.1023	1.3169	1.2146	Ave		1.190 1				7.6		30.0			
4-Ethyltoluene	++++ 1.6436	1.2907 1.5198	1.5503 1.5060	1.8647	1.6891	Ave		1.580 6				11.3		30.0			
1,3,5-Trimethylbenzene	++++ 1.4242	1.1912 1.3199	1.4257 1.2787	1.6300	1.4620	Ave		1.390 3				10.3		30.0			
n-Decane	++++ 0.5824	++++ 0.5365	0.3854 0.5044	0.6816	0.6033	Ave		0.548 9				18.3		30.0			
Alpha Methyl Styrene	++++ 0.7555	0.4680 0.6981	0.5885 0.6938	0.8222	0.7807	Ave		0.686 7				17.8		30.0			
tert-Butylbenzene	++++ 1.4804	1.3432 1.3474	1.5044 1.2670	1.6937	1.5026	Ave		1.448 4				9.8		30.0			
1,2,4-Trimethylbenzene	++++ 1.3884	1.0356 1.2688	1.3105 1.2594	1.6108	1.4376	Ave		1.330 2				13.4		30.0			
sec-Butylbenzene	++++ 2.0376	1.7771 1.8512	1.9537 1.7511	2.3499	2.0992	Ave		1.974 3				10.6		30.0			
1,3-Dichlorobenzene	++++ 0.9392	0.6129 0.8804	0.8081 0.9265	1.0223	0.9863	Ave		0.882 2				15.6		30.0			
4-Isopropyltoluene	++++ 1.8159	1.3949 1.6627	1.6758 1.6297	2.0481	1.8430	Ave		1.724 3				11.9		30.0			
1,4-Dichlorobenzene	++++ 0.8548	0.5047 0.8026	0.7072 0.9004	0.9275	0.9133	Ave		0.801 5				18.9		30.0			
Benzyl chloride	++++ 0.9204	0.4455 0.8810	0.5935 0.9954	0.8327	0.9203	Ave		0.798 4				25.2		30.0			
n-Butylbenzene	++++ 1.4199	0.7951 1.3092	0.9830 1.3009	1.5299	1.4645	Ave		1.257 5				21.5		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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887
SDG No.: 200-60507-1

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

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								
1,2-Dichlorobenzene	+++++ 0.9291	0.7470 0.8526	0.9085 0.8648	1.0773	0.9773	Ave		0.908 1				11.4		30.0			
n-Undecane	+++++ 0.5954	+++++ 0.5658	+++++ 0.5679	0.6026	0.6206	Ave		0.590 5				4.0		30.0			
n-Dodecane	+++++ 0.4281	+++++ 0.4181	+++++ 0.5195	0.2828	0.4119	Ave		0.412 1				20.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4525	+++++ 0.4793	0.2398 0.6969	0.3947	0.4839	Ave		0.457 8				32.4	*	30.0			
Hexachlorobutadiene	+++++ 1.0690	0.7862 1.0423	0.8181 1.0263	1.0485	1.0617	Ave		0.978 9				12.4		30.0			
Naphthalene	+++++ 0.8464	+++++ 0.8775	0.5997 1.4230	0.9244	1.0532	Ave		0.954 0				28.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5265	+++++ 0.5407	0.3422 0.7159	0.4818	0.5461	Ave		0.525 5				22.9		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

Analy Batch No.: 172887

SDG No.: 200-60507-1

Instrument ID: CHW.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2021 11:14

Calibration End Date: 10/21/2021 09:19

Calibration ID: 46886

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-172887/3	48067-003.d
Level 2	IC 200-172887/4	48067-004.d
Level 3	IC 200-172887/21	48067-021.d
Level 4	IC 200-172887/7	48067-007.d
Level 5	ICIS 200-172887/8	48067-008.d
Level 6	IC 200-172887/12	48067-012.d
Level 7	IC 200-172887/13	48067-013.d
Level 8	IC 200-172887/14	48067-014.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	++++ 274982	++++ 354256	11315 701295	89845	185825	++++ 15.5	++++ 20.6	0.464 41.3	4.64	10.3
Dichlorodifluoromethane	BCM	Ave	++++ 1116780	++++ 1466765	41548 2954306	341438	712708	++++ 15.7	++++ 20.9	0.469 41.8	4.69	10.4
Freon 22	BCM	Ave	++++ 556741	++++ 727348	21710 1470374	175435	367211	++++ 15.7	++++ 21.0	0.471 41.9	4.71	10.5
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1214156	++++ 1594920	16061 3223216	372641	782087	++++ 15.6	0.188 20.8	0.468 41.6	4.68	10.4
Chloromethane	BCM	Ave	++++ 322294	++++ 421082	12605 854539	103650	215993	++++ 16.4	++++ 21.8	0.491 43.7	4.91	10.9
n-Butane	BCM	Ave	++++ 351695	++++ 465168	14647 938425	116769	249374	++++ 15.5	++++ 20.7	0.466 41.4	4.66	10.4
Vinyl chloride	BCM	Ave	760 308465	4215 410328	12149 834842	100225	214615	0.0333 15.6	0.187 20.8	0.467 41.6	4.67	10.4
1,3-Butadiene	BCM	Ave	753 200361	2841 270567	8274 551548	65665	141603	0.0325 15.2	0.183 20.2	0.455 40.5	4.55	10.1
Bromomethane	BCM	Ave	++++ 401587	5538 524298	14158 1057983	124252	258990	++++ 15.5	0.186 20.6	0.463 41.2	4.63	10.3
Chloroethane	BCM	Ave	++++ 178761	++++ 233949	6414 471371	57236	117514	++++ 15.6	++++ 20.8	0.467 41.6	4.67	10.4
Isopentane	BCM	Ave	++++ 291332	4539 377705	10878 732163	95167	196466	++++ 15.7	0.188 20.9	0.469 41.8	4.69	10.4
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 389627	5123 507476	13505 1007529	120997	252841	++++ 15.6	0.188 20.8	0.468 41.7	4.68	10.4
Trichlorofluoromethane	BCM	Ave	++++ 870302	11654 1137770	30761 2286132	273256	567099	++++ 15.8	0.190 21.1	0.474 42.2	4.74	10.6
n-Pentane	BCM	Ave	++++ 375756	++++ 483761	13440 927199	121408	251719	++++ 15.2	++++ 20.3	0.455 40.5	4.55	10.1
Ethanol	BCM	Ave	++++ 189055	++++ 242890	4051 597870	41758	94889	++++ 30.0	++++ 40.0	0.899 100.0	8.99	15.0

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

Analy Batch No.: 172887

SDG No.: 200-60507-1

Instrument ID: CHW.i

GC Column: RTX-624 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2021 11:14

Calibration End Date: 10/21/2021 09:19

Calibration ID: 46886

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	++++ 174106	1994 227375	5621 447009	55051	114834	++++ 15.1	0.182 20.2	0.453 40.3	4.53	10.1
Acrolein	BCM	Ave	++++ 89939	++++ 119533	2455 233425	28262	62629	++++ 14.6	++++ 19.4	0.437 38.9	4.37	9.72
1,1-Dichloroethene	BCM	Ave	828 305211	4094 395349	10233 757594	97062	202978	0.0330 15.4	0.185 20.6	0.462 41.1	4.62	10.3
Freon TF	BCM	Ave	++++ 643278	9266 834836	21863 1576820	205509	425172	++++ 15.7	0.189 21.0	0.471 42.0	4.71	10.5
Acetone	BCM	Ave	++++ 272898	++++ 353454	9334 681141	90145	187233	++++ 15.4	++++ 20.5	0.460 41.0	4.60	10.2
Isopropyl alcohol	BCM	Ave	++++ 284916	++++ 373007	8185 748698	90343	190907	++++ 15.3	++++ 20.4	0.459 40.9	4.59	10.2
Carbon disulfide	BCM	Ave	++++ 705342	++++ 913580	25340 1776734	227463	469982	++++ 15.2	++++ 20.3	0.457 40.6	4.57	10.2
Acetonitrile	BCM	Ave	++++ 104855	++++ 133985	2844 271108	34109	69707	++++ 14.8	++++ 19.8	0.445 39.6	4.45	9.90
3-Chloropropene	BCM	Ave	++++ 201040	3217 256325	4511 483295	31101	135232	++++ 16.0	0.192 21.3	0.479 42.6	4.79	10.6
Methylene Chloride	BCM	Ave	++++ 177518	++++ 229889	6187 458894	59418	121094	++++ 15.4	++++ 20.6	0.462 41.1	4.62	10.3
tert-Butyl alcohol	BCM	Ave	++++ 367430	++++ 481689	11152 974724	118532	249199	++++ 16.2	++++ 21.6	0.484 43.1	4.84	10.8
Acrylonitrile	BCM	Ave	++++ 109920	++++ 140620	2946 274717	34982	73321	++++ 15.2	++++ 20.2	0.454 40.4	4.54	10.1
trans-1,2-Dichloroethene	BCM	Ave	518 267561	3900 339289	8845 642497	89002	182759	0.0327 15.3	0.184 20.4	0.458 40.8	4.58	10.2
Methyl tert-butyl ether	BCM	Ave	++++ 612788	7864 794553	19406 1525030	196552	410715	++++ 15.7	0.189 20.9	0.470 41.8	4.70	10.4
n-Hexane	BCM	Ave	++++ 252647	3469 320500	8257 627173	84509	174803	++++ 15.9	0.191 21.2	0.476 42.4	4.76	10.6
1,1-Dichloroethane	BCM	Ave	831 321455	4656 409228	10668 774393	108309	219116	0.0321 15.0	0.180 20.0	0.449 40.0	4.49	10.00
Vinyl acetate	BCM	Ave	++++ 369846	++++ 469758	10423 896877	120770	251448	++++ 15.6	++++ 20.8	0.467 41.6	4.67	10.4
Methyl Ethyl Ketone	BCM	Ave	++++ 98526	++++ 128652	2522 250534	31398	66796	++++ 15.5	++++ 20.7	0.465 41.4	4.65	10.3
cis-1,2-Dichloroethene	BCM	Ave	568 246742	3512 317474	7823 607691	81414	169274	0.0324 15.1	0.182 20.2	0.454 40.4	4.54	10.1
Ethyl acetate	BCM	Ave	++++ 20341	++++ 27370	316 53490	6471	13442	++++ 15.2	++++ 20.3	0.455 40.5	4.55	10.1
Tetrahydrofuran	DFBZ	Ave	++++	++++	4518	47849	99545	++++	++++	0.449	4.49	9.99

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

Analy Batch No.: 172887

SDG No.: 200-60507-1

Instrument ID: CHW.i

GC Column: RTX-624 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2021 11:14

Calibration End Date: 10/21/2021 09:19

Calibration ID: 46886

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
			145460	188035	371425			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 471657	6712 612324	14988 1238916	153800	319882	++++ 15.1	0.182 20.2	0.454 40.4	4.54	10.1
1,1,1-Trichloroethane	DFBZ	Ave	++++ 546475	7515 713987	17498 1430421	174454	363204	++++ 15.3	0.184 20.4	0.458 40.8	4.58	10.2
Cyclohexane	DFBZ	Ave	++++ 295356	3909 378677	9490 744432	97735	202207	++++ 15.2	0.183 20.3	0.456 40.6	4.56	10.1
Carbon tetrachloride	DFBZ	Ave	1486 594331	7393 781661	19559 1587801	191750	397946	0.0326 15.2	0.183 20.3	0.457 40.6	4.57	10.2
Benzene	DFBZ	Ave	++++ 635475	9889 814068	21873 1608002	219854	444729	++++ 15.5	0.186 20.7	0.464 41.3	4.64	10.3
1,2-Dichloroethane	DFBZ	Ave	++++ 282301	3663 368321	8950 722620	90283	187354	++++ 15.5	0.187 20.7	0.466 41.4	4.66	10.4
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 824772	11354 1048905	25589 2021939	279489	575184	++++ 15.7	0.189 20.9	0.470 41.9	4.70	10.5
n-Heptane	DFBZ	Ave	++++ 254999	3860 323927	7963 624278	87993	178270	++++ 15.8	0.190 21.0	0.472 42.0	4.72	10.5
n-Butanol	DFBZ	Ave	++++ 112433	++++ 150369	2289 299614	33993	76405	++++ 14.3	++++ 19.1	0.429 38.2	4.29	9.55
Trichloroethene	DFBZ	Ave	776 334071	4831 435738	10096 855988	108890	225207	0.0338 15.8	0.190 21.1	0.473 42.1	4.73	10.5
1,2-Dichloropropane	DFBZ	Ave	++++ 193565	2627 246780	6709 470807	67715	138270	++++ 15.5	0.186 20.6	0.463 41.2	4.63	10.3
Methyl methacrylate	DFBZ	Ave	++++ 211480	++++ 277354	5124 535646	66972	146467	++++ 15.2	++++ 20.3	0.457 40.6	4.57	10.2
1,4-Dioxane	DFBZ	Ave	++++ 133063	++++ 171551	++++ 318829	50896	98104	++++ 15.9	++++ 21.2	++++ 42.3	4.75	10.6
Dibromomethane	DFBZ	Ave	++++ 419027	5768 539925	13349 1013783	139673	283888	++++ 15.4	0.186 20.6	0.463 41.2	4.63	10.3
Bromodichloromethane	DFBZ	Ave	++++ 517925	6928 676643	15620 1352780	166629	347022	++++ 15.9	0.191 21.1	0.475 42.3	4.75	10.6
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 402706	4965 521567	11678 1041934	126982	268918	++++ 15.6	0.187 20.8	0.467 41.6	4.67	10.4
methyl isobutyl ketone	DFBZ	Ave	++++ 327542	++++ 420551	8609 839870	108576	230686	++++ 15.4	++++ 20.5	0.460 41.0	4.60	10.2
Toluene	CBNZd 5	Ave	++++ 511962	7089 659047	15714 1281175	174570	356976	++++ 15.2	0.183 20.3	0.457 40.6	4.57	10.2
n-Octane	DFBZ	Ave	++++ 350429	4687 443888	10499 848017	123061	247569	++++ 15.5	0.186 20.7	0.464 41.3	4.64	10.3
trans-1,3-Dichloropropene	DFBZ	Ave	++++	3858	9070	106000	234771	++++	0.178	0.444	4.44	9.88

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

Analy Batch No.: 172887

SDG No.: 200-60507-1

Instrument ID: CHW.i

GC Column: RTX-624 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2021 11:14

Calibration End Date: 10/21/2021 09:19

Calibration ID: 46886

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
			352555	459557	921770			14.8	19.8	39.5		
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++	3114	7050	78665	162746	+++++	0.189	0.471	4.71	10.5
			242196	317011	619213			15.7	21.0	41.9		
Tetrachloroethene	CBNZd 5	Ave	1375	8577	19417	199084	410652	0.0337	0.189	0.472	4.72	10.5
			609991	789465	1519250			15.7	21.0	42.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++	+++++	6688	93091	207882	+++++	+++++	0.449	4.49	9.99
			307149	401668	809015			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	+++++	6229	19138	209310	445948	+++++	0.175	0.435	4.35	9.68
			663263	866289	1690092			14.5	19.4	38.7		
1,2-Dibromoethane	CBNZd 5	Ave	+++++	5491	13334	154842	325140	+++++	0.191	0.477	4.77	10.6
			482599	632702	1274380			15.9	21.2	42.4		
Chlorobenzene	CBNZd 5	Ave	+++++	10336	24021	260025	525302	+++++	0.189	0.471	4.71	10.5
			749059	969511	1936909			15.7	21.0	42.0		
Ethylbenzene	CBNZd 5	Ave	+++++	14136	34767	392743	795363	+++++	0.184	0.459	4.59	10.2
			1141245	1463423	2864871			15.3	20.4	40.9		
m,p-Xylene	CBNZd 5	Ave	+++++	11071	17415	331665	649026	+++++	0.371	0.924	9.24	20.6
			905707	1159362	2205418			30.8	41.1	82.2		
n-Nonane	CBNZd 5	Ave	+++++	3610	10116	144559	275431	+++++	0.189	0.471	4.71	10.5
			383059	490105	929096			15.7	21.0	41.9		
Xylene, o-	CBNZd 5	Ave	+++++	5451	13720	160573	320640	+++++	0.187	0.466	4.66	10.4
			462296	594654	1127441			15.5	20.7	41.4		
Styrene	CBNZd 5	Ave	+++++	6541	17074	242842	489920	+++++	0.186	0.464	4.64	10.3
			672657	868568	1707933			15.5	20.6	41.3		
Bromoform	CBNZd 5	Ave	+++++	3529	18890	221557	490644	+++++	0.186	0.462	4.62	10.3
			711307	940536	1687578			15.4	20.6	41.2		
Cumene	CBNZd 5	Ave	+++++	15484	38975	478908	962586	+++++	0.188	0.469	4.69	10.4
			1382102	1770880	3374610			15.6	20.9	41.7		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++	7518	17366	205246	425715	+++++	0.187	0.465	4.65	10.3
			618955	804644	1533422			15.5	20.7	41.4		

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

Analy Batch No.: 172887

SDG No.: 200-60507-1

Instrument ID: CHW.i

GC Column: RTX-624 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2021 11:14

Calibration End Date: 10/21/2021 09:19

Calibration ID: 46886

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
1,2,3-Trichloropropane	CBNZd 5	Ave	+++++	+++++	13943	154378	319427	+++++	+++++	0.476	4.76	10.6
			470286	611394	1177804			15.9	21.2	42.4		
n-Propylbenzene	CBNZd 5	Ave	+++++	15053	38395	524596	1054586	+++++	0.188	0.467	4.67	10.4
			1504202	1932099	3741425			15.6	20.8	41.6		
2-Chlorotoluene	CBNZd 5	Ave	+++++	10589	27841	328957	670229	+++++	0.188	0.469	4.69	10.4
			951931	1237920	2402025			15.7	20.9	41.8		
4-Ethyltoluene	CBNZd 5	Ave	+++++	12475	33164	460867	922234	+++++	0.186	0.464	4.64	10.3
			1294145	1649197	3247012			15.5	20.7	41.3		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++	11580	30676	405195	802884	+++++	0.187	0.467	4.67	10.4
			1127913	1440594	2773125			15.6	20.8	41.6		
n-Decane	CBNZd 5	Ave	+++++	8316	169934	332286		+++++	+++++	0.468	4.68	10.4
			462546	587197	1096912			15.6	20.8	41.7		
Alpha Methyl Styrene	CBNZd 5	Ave	+++++	4467	12431	200652	420878	+++++	0.184	0.458	4.58	10.2
			587354	747975	1477004			15.3	20.4	40.8		
tert-Butylbenzene	CBNZd 5	Ave	+++++	13020	32275	419820	822749	+++++	0.187	0.466	4.66	10.4
			1168999	1466327	2739655			15.5	20.7	41.4		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++	10077	28224	400821	790235	+++++	0.188	0.467	4.67	10.4
			1100591	1386151	2733886			15.6	20.8	41.6		
sec-Butylbenzene	CBNZd 5	Ave	+++++	17393	42320	588112	1160548	+++++	0.189	0.470	4.70	10.5
			1624568	2034038	3822969			15.7	20.9	41.8		
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	6067	17706	258772	551524	+++++	0.191	0.475	4.75	10.6
			757396	978463	2045952			15.9	21.2	42.3		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	13456	35779	505218	1004303	+++++	0.186	0.463	4.63	10.3
			1427004	1800733	3507063			15.5	20.6	41.2		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	4944	15333	232346	505405	+++++	0.189	0.470	4.70	10.5
			682198	882733	1967728			15.7	20.9	41.9		
Benzyl chloride	CBNZd 5	Ave	+++++	4410	13004	210795	514647	+++++	0.191	0.475	4.75	10.6
			742218	979138	2198030			15.9	21.2	42.3		

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 172887

SDG No.: 200-60507-1

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

Calibration Start Date: 10/20/2021 11:14 Calibration End Date: 10/21/2021 09:19 Calibration ID: 46886

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
n-Butylbenzene	CBNZd 5	Ave	+++++	7730	21150	380320	804225	+++++	0.187	0.467	4.67	10.4
			1124494	1428911	2821107			15.6	20.8	41.6		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	7297	19642	269098	539288	+++++	0.188	0.469	4.69	10.4
			739311	935063	1884538			15.7	20.9	41.8		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	150801	343088	+++++	+++++	+++++	4.70	10.5
			474729	621676	1239883			15.7	20.9	41.8		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	63324	203758	+++++	+++++	+++++	4.21	9.36
			305456	411074	1014861			14.0	18.7	37.4		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	5392	102563	277731	+++++	+++++	0.488	4.88	10.9
			374573	546782	1579770			16.3	21.7	43.4		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	7548	17381	257400	575757	+++++	0.185	0.461	4.61	10.3
			836031	1123400	2197779			15.4	20.5	41.0		
Naphthalene	CBNZd 5	Ave	+++++	+++++	12072	214985	541090	+++++	+++++	0.437	4.37	9.72
			627047	895986	2886908			14.6	19.4	38.9		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	6463	105137	263251	+++++	+++++	0.410	4.10	9.12
			366018	518031	1362666			13.7	18.2	36.5		

Curve Type Legend:

Ave = Average ISTD

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-003.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 20-Oct-2021 11:14:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-003
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:12 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 20-Oct-2021 15:05:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.142	4.126	0.016	84	1664	0.0331	0.0842	
2 Dichlorodifluoromethane	85	4.228	4.217	0.011	98	2584	0.0335	0.0336	
3 Chlorodifluoromethane	51	4.281	4.265	0.016	96	1844	0.0336	0.0475	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.597	4.581	0.016	91	3154	0.0334	0.0377	
5 Chloromethane	50	4.715	4.693	0.022	94	1039	0.0350	0.0478	
6 Vinyl chloride	62	5.025	5.009	0.016	86	760	0.0333	0.0342	
7 Butane	43	5.025	5.014	0.011	86	1729	0.0332	0.0671	
8 Butadiene	54	5.137	5.127	0.010	56	753	0.0325	0.0467	
9 Bromomethane	94	5.870	5.843	0.027	92	1025	0.0331	0.0367	
10 Chloroethane	64	6.138	6.122	0.016	1	395	0.0333	0.0319	
11 2-Methylbutane	43	6.330	6.336	-0.006	93	964	0.0335	0.0466	
13 Vinyl bromide	106	6.544	6.544	0.000	94	991	0.0334	0.0374	
14 Trichlorofluoromethane	101	6.715	6.705	0.010	93	2063	0.0339	0.0350	
15 Pentane	43	6.913	6.919	-0.006	1	1159	0.0325	0.0438	
16 Ethanol	45		7.106				ND	ND	
18 Ethyl ether	59	7.405	7.352	0.053	1	241	0.0323	0.0202	
19 Acrolein	56		7.582				ND	ND	
20 1,1-Dichloroethene	96	7.769	7.775	-0.006	74	828	0.0330	0.0385	
21 112TCTFE	101	7.817	7.817	0.000	87	1558	0.0336	0.0355	
22 Acetone	43	7.956	7.871	0.085	24	1677	0.0328	0.0880	
24 Isopropyl alcohol	45		8.176				ND	ND	
23 Carbon disulfide	76	8.181	8.181	0.000	97	3251	0.0326	0.0653	
25 Acetonitrile	41	8.491	8.363	0.128	4	518	0.0317	0.0715	
26 3-Chloro-1-propene	41	8.475	8.475	0.000	1	303	0.0342	0.0253	
27 Methylene Chloride	49	8.711	8.705	0.006	87	730	0.0330	0.0585	
28 2-Methyl-2-propanol	59		8.957				ND	ND	
29 Acrylonitrile	53		9.112				ND	ND	
30 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	78	518	0.0327	0.0281	
31 Methyl tert-butyl ether	73	9.294	9.235	0.059	90	1517	0.0335	0.0371	
32 Hexane	57	9.717	9.722	-0.006	9	596	0.0340	0.0350	
33 1,1-Dichloroethane	63	9.968	9.973	-0.005	1	831	0.0321	0.0355	

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		9.989				ND	ND	
S 35 1,2-Dichloroethene, Total	61				0		0.0651	0.0607	
37 2-Butanone (MEK)	72		10.952				ND	ND	
36 cis-1,2-Dichloroethene	96	10.968	10.968	0.000	56	568	0.0324	0.0326	M
38 Ethyl acetate	88		11.038				ND	ND	
* 39 Chlorobromomethane	128	11.380	11.380	0.000	71	132504	10.0	10.0	
40 Tetrahydrofuran	42		11.439				ND	ND	
41 Chloroform	83	11.551	11.562	-0.011	67	1115	0.0324	0.0333	
42 1,1,1-Trichloroethane	97	11.867	11.867	0.000	87	1361	0.0327	0.0353	
43 Cyclohexane	84	12.001	12.006	-0.005	79	421	0.0326	0.0202	
44 Carbon tetrachloride	117	12.145	12.145	0.000	85	1486	0.0326	0.0351	
45 Benzene	78	12.493	12.493	0.000	89	1692	0.0331	0.0367	
46 1,2-Dichloroethane	62		12.568				ND	ND	
47 Isooctane	57	12.712	12.712	0.000	94	2174	0.0336	0.0384	
48 n-Heptane	43	13.017	13.023	-0.006	0	358	0.0337	0.0202	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	622527	10.0	10.0	
50 n-Butanol	56	13.231	13.472	-0.241	23	8448	0.0306	1.07	
51 Trichloroethene	95	13.675	13.665	0.010	84	776	0.0338	0.0339	M
53 1,2-Dichloropropane	63		14.125				ND	ND	
55 Methyl methacrylate	69		14.216				ND	ND	
57 1,4-Dioxane	88		14.269				ND	ND	
56 Dibromomethane	174	14.280	14.280	0.000	88	1091	0.0330	0.0374	
58 Dichlorobromomethane	83	14.595	14.590	0.005	88	968	0.0339	0.0278	
60 cis-1,3-Dichloropropene	75	15.398	15.393	0.005	83	494	0.0333	0.0183	
61 4-Methyl-2-pentanone (MIBK)	43	15.767	15.665	0.102	1	147	0.0328	0.006586	
62 Toluene	92	16.035	16.035	0.000	91	1145	0.0326	0.0336	
63 n-Octane	43	16.297	16.291	0.006	65	855	0.0331	0.0352	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	1	217	0.0317	0.009082	
65 1,1,2-Trichloroethane	83		16.826				ND	ND	
66 Tetrachloroethene	166	17.024	17.030	-0.006	92	1375	0.0337	0.0349	
67 2-Hexanone	43		17.254				ND	ND	
68 Chlorodibromomethane	129	17.565	17.565	0.000	71	1078	0.0310	0.0250	
69 Ethylene Dibromide	107	17.805	17.805	0.000	97	888	0.0340	0.0303	
* 70 Chlorobenzene-d5	117	18.715	18.715	0.000	82	501961	10.0	10.0	
72 Chlorobenzene	112	18.779	18.779	0.000	95	2014	0.0336	0.0410	
73 Ethylbenzene	91	18.977	18.972	0.005	91	2446	0.0328	0.0329	
74 m-Xylene & p-Xylene	106	19.223	19.234	-0.011	0	855	0.0659	0.0307	
75 n-Nonane	57	19.298	19.298	0.000	1	567	0.0336	0.0243	
76 o-Xylene	106	20.009	20.009	0.000	92	794	0.0332	0.0271	
77 Styrene	104	20.036	20.047	-0.011	78	504	0.0331	0.0121	
S 78 Xylenes, Total	106				0		0.0992	0.0578	
79 Bromoform	173	20.395	20.395	-0.001	1	526	0.0330	0.0131	
80 Isopropylbenzene	105	20.721	20.716	0.005	90	2671	0.0334	0.0311	
81 1,1,2,2-Tetrachloroethane	83	21.234	21.234	0.000	91	922	0.0332	0.0237	
82 1,2,3-Trichloropropane	75	21.336	21.331	0.005	85	1151	0.0340	0.0395	
83 N-Propylbenzene	91	21.432	21.438	-0.006	95	2530	0.0334	0.0277	
84 2-Chlorotoluene	91	21.582	21.582	0.000	89	1846	0.0335	0.0309	
85 4-Ethyltoluene	105	21.636	21.636	0.000	94	1932	0.0331	0.0244	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	92	1896	0.0333	0.0272	
87 n-Decane	57	21.769	21.764	0.005	67	462	0.0334	0.0168	
88 Alpha Methyl Styrene	118	22.069	22.058	0.011	80	481	0.0327	0.0140	
89 tert-Butylbenzene	119	22.213	22.213	0.000	90	2269	0.0332	0.0312	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	86	1441	0.0334	0.0216	
91 sec-Butylbenzene	105	22.540	22.540	0.000	96	2706	0.0335	0.0273	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	86	975	0.0339	0.0220	
93 4-Isopropyltoluene	119	22.759	22.754	0.005	94	2174	0.0331	0.0251	
94 1,4-Dichlorobenzene	146	22.850	22.855	-0.005	89	747	0.0336	0.0186	
95 Benzyl chloride	91	23.000	23.000	0.000	89	735	0.0339	0.0183	
96 n-Butylbenzene	91	23.310	23.310	0.000	91	785	0.0333	0.0124	
97 1,2-Dichlorobenzene	146	23.342	23.342	0.000	95	1089	0.0335	0.0239	
98 Undecane	57		23.460				ND	ND	
99 Dodecane	57		25.038				ND	ND	
100 1,2,4-Trichlorobenzene	180		25.766				ND	ND	
101 Hexachlorobutadiene	225	26.006	26.012	-0.006	76	1088	0.0329	0.0221	
102 Naphthalene	128		26.236				ND	ND	
103 1,2,3-Trichlorobenzene	180		26.643				ND	ND	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00234

Amount Added: 32.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:12

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-003.d

Injection Date: 20-Oct-2021 11:14:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

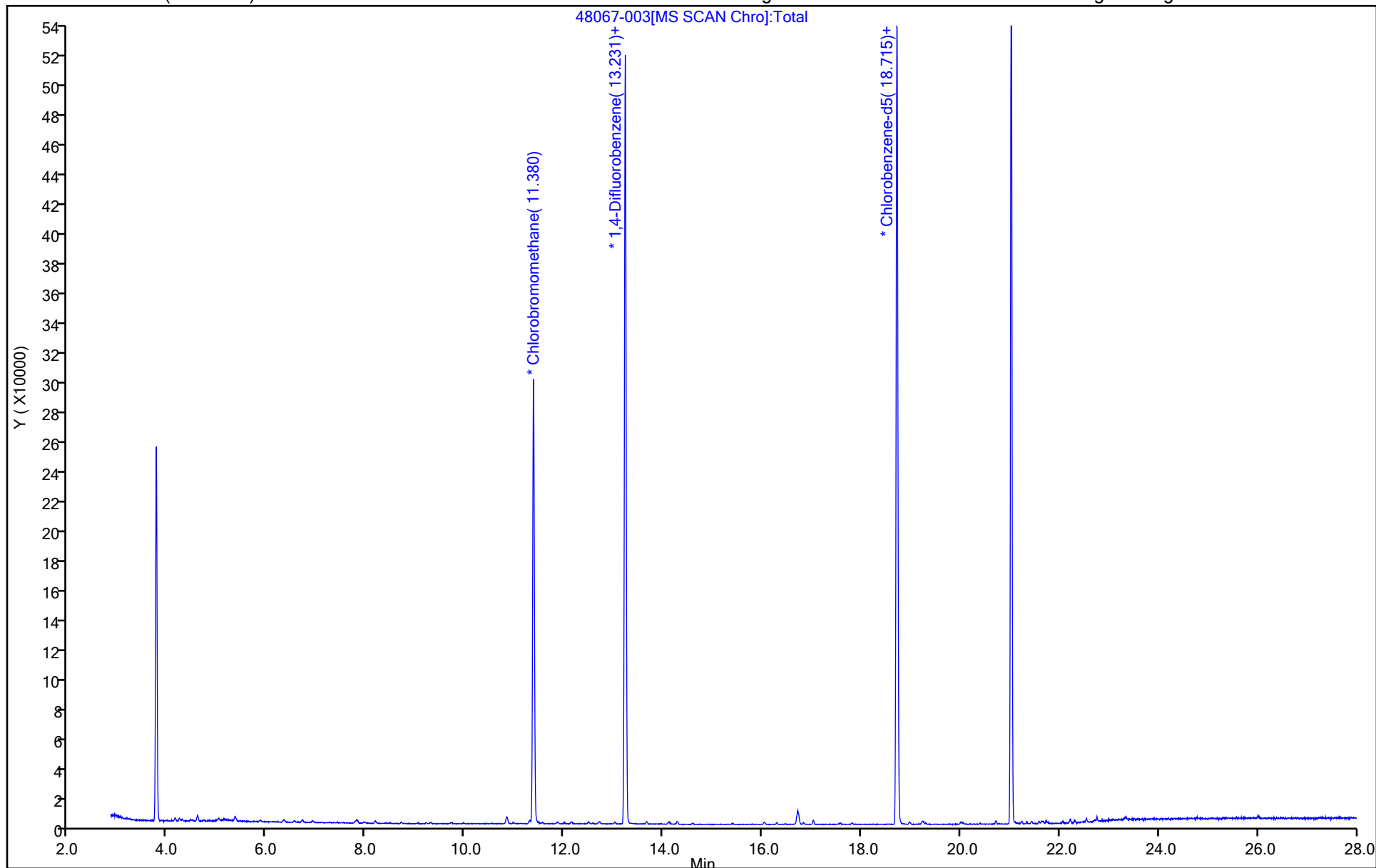
ALS Bottle#: 2

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

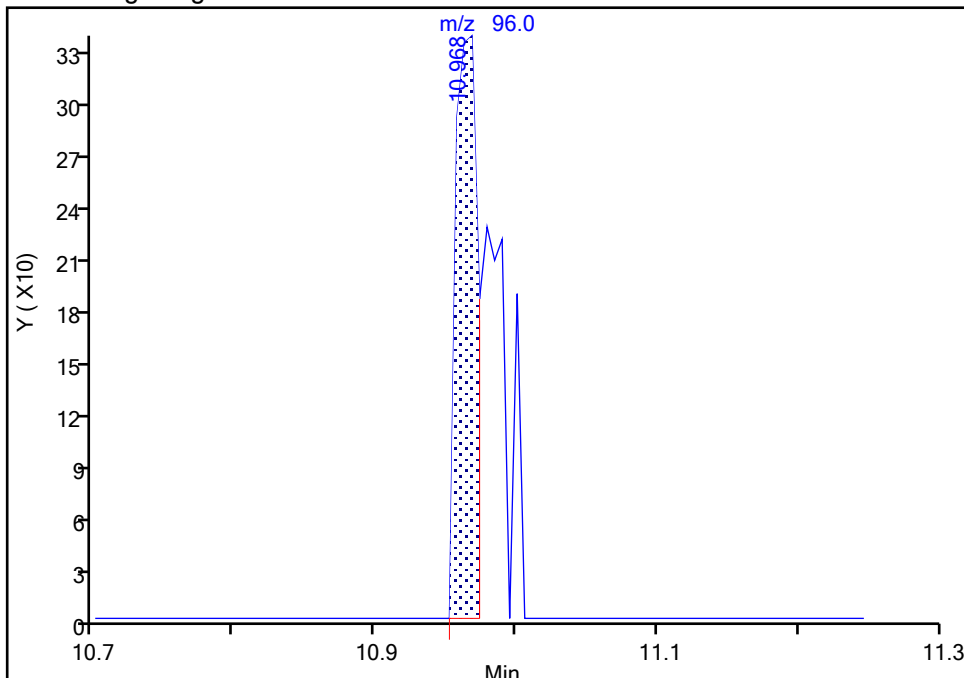
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Injection Date: 20-Oct-2021 11:14:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

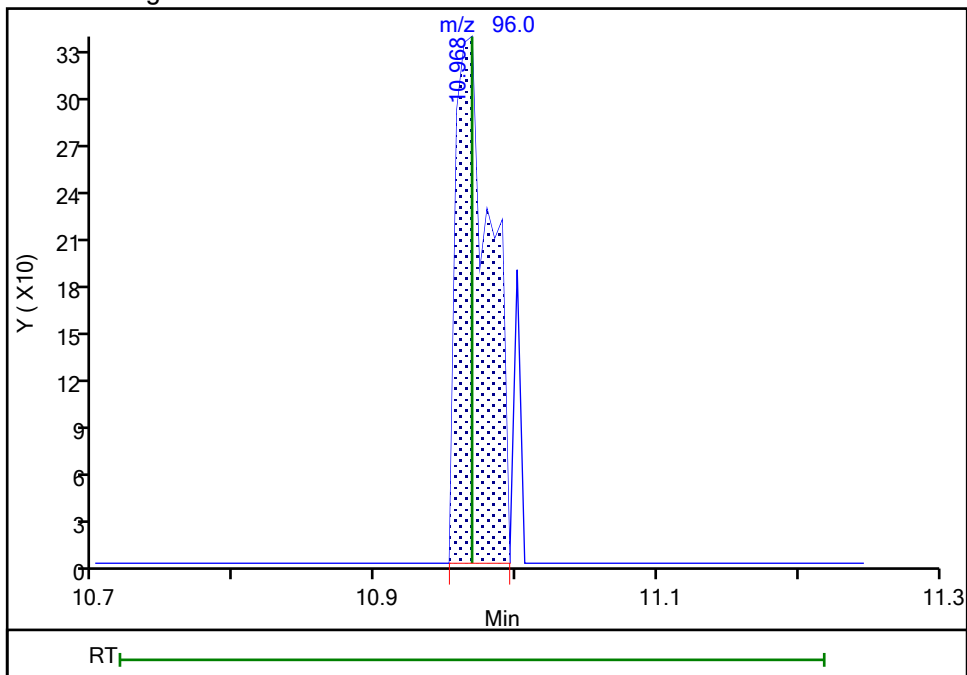
RT: 10.97
Area: 362
Amount: 0.034705
Amount Units: ppb v/v

Processing Integration Results



RT: 10.97
Area: 568
Amount: 0.032605
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 20-Oct-2021 15:04:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

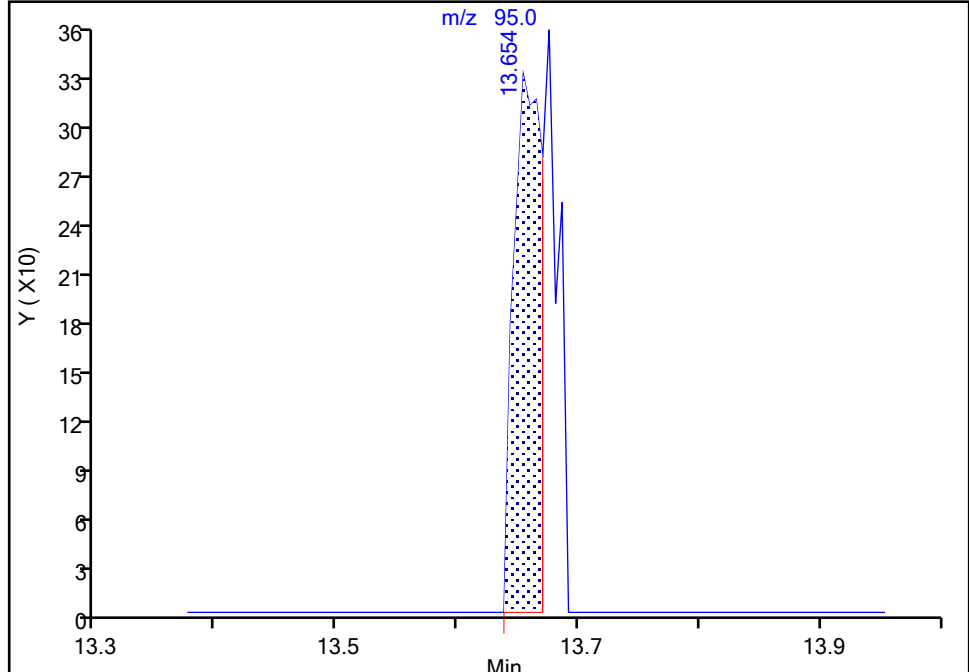
Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-003.d
Injection Date: 20-Oct-2021 11:14:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

51 Trichloroethene, CAS: 79-01-6

Signal: 1

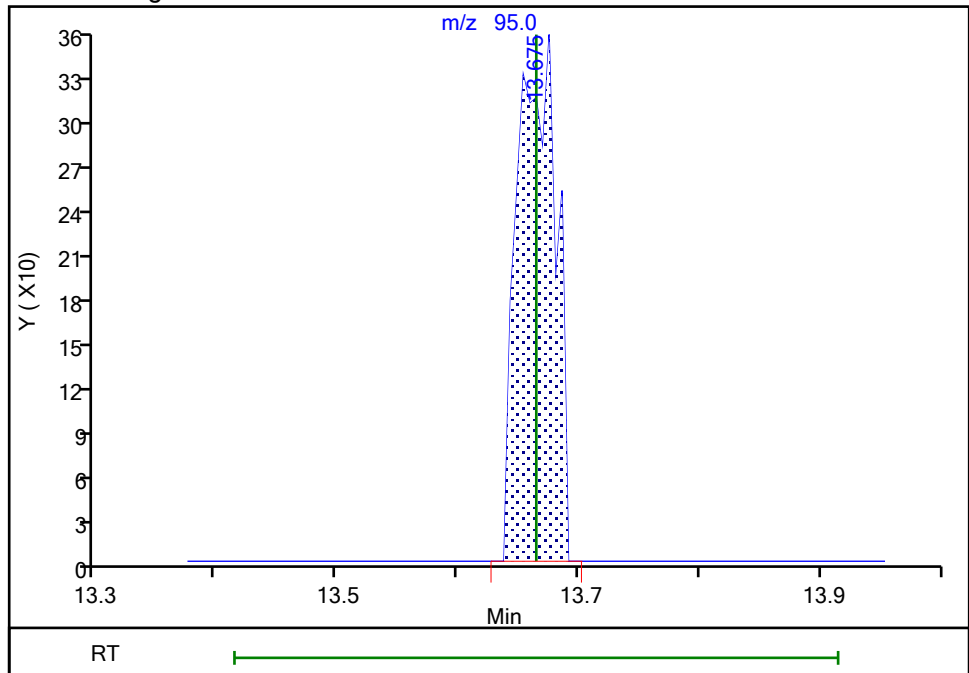
RT: 13.65
Area: 524
Amount: 0.037473
Amount Units: ppb v/v

Processing Integration Results



RT: 13.68
Area: 776
Amount: 0.033950
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 20-Oct-2021 15:03:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 116 of 356

Eurofins TestAmerica, Burlington

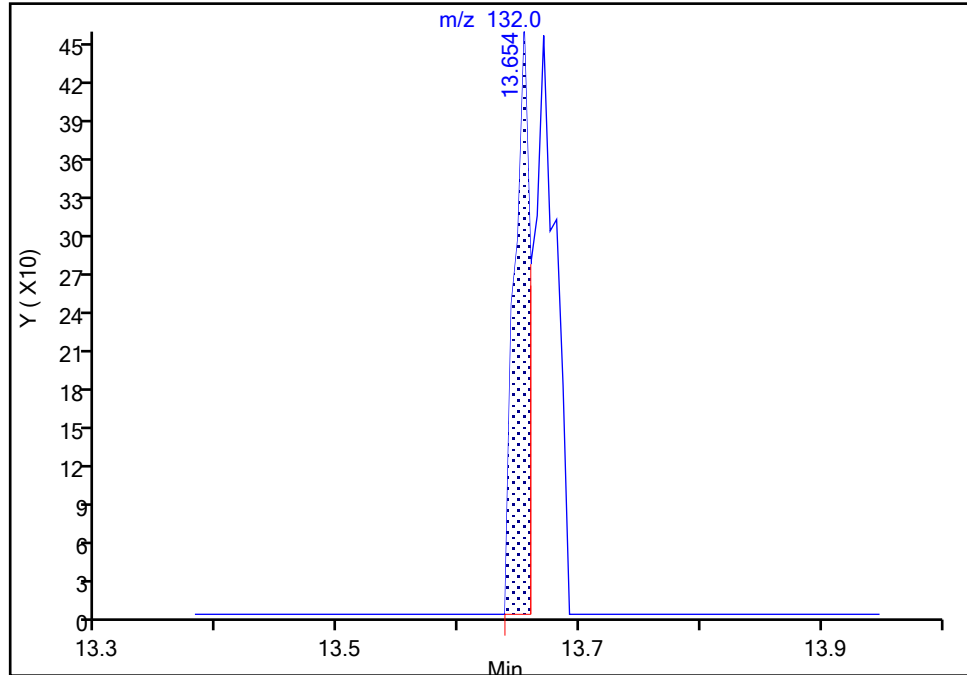
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Injection Date: 20-Oct-2021 11:14:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

51 Trichloroethene, CAS: 79-01-6

Signal: 3

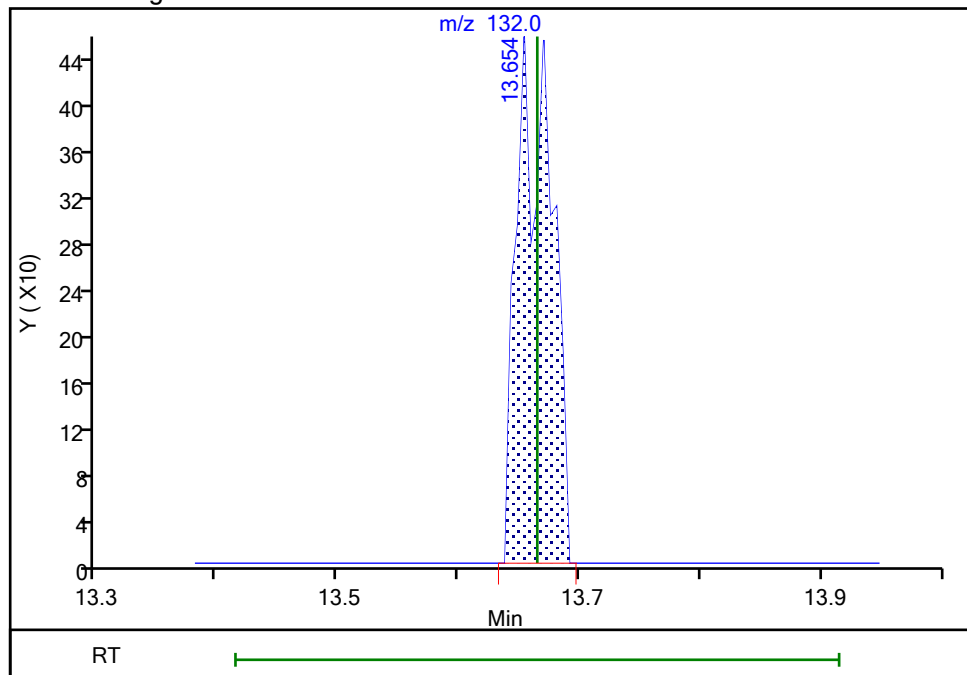
RT: 13.65
Area: 407
Amount: 0.037473
Amount Units: ppb v/v

Processing Integration Results



RT: 13.65
Area: 905
Amount: 0.033950
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 20-Oct-2021 15:03:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-004.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 20-Oct-2021 12:07:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-004
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:13 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 20-Oct-2021 15:07:38

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	4.137	4.126	0.011	96	4889	0.1862	0.2413	
2 Dichlorodifluoromethane	85	4.228	4.217	0.011	99	14911	0.1883	0.1893	
3 Chlorodifluoromethane	51	4.281	4.265	0.016	97	8210	0.1891	0.2060	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.591	4.581	0.010	91	16061	0.1878	0.1871	
5 Chloromethane	50	4.709	4.693	0.016	98	4965	0.1970	0.2227	
6 Vinyl chloride	62	5.025	5.009	0.016	90	4215	0.1874	0.1848	
7 Butane	43	5.019	5.014	0.005	96	6155	0.1869	0.2329	
8 Butadiene	54	5.137	5.127	0.010	90	2841	0.1826	0.1720	
9 Bromomethane	94	5.854	5.843	0.011	97	5538	0.1860	0.1935	
10 Chloroethane	64	6.132	6.122	0.010	97	2566	0.1874	0.2018	
11 2-Methylbutane	43	6.335	6.336	-0.001	90	4539	0.1883	0.2138	
13 Vinyl bromide	106	6.544	6.544	0.000	96	5123	0.1880	0.1886	
14 Trichlorofluoromethane	101	6.715	6.705	0.010	97	11654	0.1905	0.1926	
15 Pentane	43	6.919	6.919	0.000	95	5732	0.1827	0.2110	
16 Ethanol	45	7.175	7.106	0.069	98	1856	0.3608	0.3082	
18 Ethyl ether	59	7.395	7.352	0.043	88	1994	0.1818	0.1631	
19 Acrolein	56	7.641	7.582	0.059	77	704	0.1753	0.1074	
20 1,1-Dichloroethene	96	7.780	7.775	0.005	94	4094	0.1854	0.1857	
21 112TCTFE	101	7.812	7.817	-0.005	89	9266	0.1892	0.2061	
22 Acetone	43	7.935	7.871	0.064	97	10083	0.1847	0.5159	
24 Isopropyl alcohol	45	8.245	8.176	0.069	95	2854	0.1844	0.1441	
23 Carbon disulfide	76	8.181	8.181	0.000	97	11219	0.1833	0.2198	
25 Acetonitrile	41		8.363				ND	ND	
26 3-Chloro-1-propene	41	8.475	8.475	0.000	92	3217	0.1921	0.2622	
27 Methylene Chloride	49	8.716	8.705	0.011	79	2840	0.1854	0.2219	
28 2-Methyl-2-propanol	59	9.026	8.957	0.069	93	4157	0.1945	0.1690	
29 Acrylonitrile	53	9.155	9.112	0.043	9	445	0.1824	0.0590	
30 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	91	3900	0.1840	0.2064	
31 Methyl tert-butyl ether	73	9.288	9.235	0.053	94	7864	0.1885	0.1874	
32 Hexane	57	9.722	9.722	0.000	86	3469	0.1910	0.1987	
33 1,1-Dichloroethane	63	9.973	9.973	0.000	98	4656	0.1804	0.1937	

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	10.027	9.989	0.038	66	3404	0.1874	0.1364	
S 35 1,2-Dichloroethene, Total	61				0		0.3662	0.4030	
37 2-Butanone (MEK)	72	11.006	10.952	0.054	96	1377	0.1865	0.2078	
36 cis-1,2-Dichloroethene	96	10.968	10.968	0.000	85	3512	0.1822	0.1966	
38 Ethyl acetate	88		11.038				ND	ND	
* 39 Chlorobromomethane	128	11.380	11.380	0.000	73	135886	10.0	10.0	
40 Tetrahydrofuran	42	11.493	11.439	0.054	76	2086	0.1802	0.1982	
41 Chloroform	83	11.557	11.562	-0.005	95	6712	0.1822	0.1954	
42 1,1,1-Trichloroethane	97	11.856	11.867	-0.011	96	7515	0.1838	0.1921	
43 Cyclohexane	84	12.001	12.006	-0.005	87	3909	0.1831	0.1848	
44 Carbon tetrachloride	117	12.145	12.145	0.000	99	7393	0.1833	0.1720	
45 Benzene	78	12.493	12.493	0.000	94	9889	0.1863	0.2113	
46 1,2-Dichloroethane	62	12.568	12.568	0.000	96	3663	0.1869	0.1867	
47 Isooctane	57	12.712	12.712	0.000	97	11354	0.1889	0.1979	
48 n-Heptane	43	13.017	13.023	-0.006	86	3860	0.1896	0.2145	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	631267	10.0	10.0	
50 n-Butanol	56	13.520	13.472	0.048	0	997	0.1723	0.1250	
51 Trichloroethene	95	13.665	13.665	0.000	95	4831	0.1900	0.2084	
53 1,2-Dichloropropane	63	14.119	14.125	-0.006	85	2627	0.1860	0.1878	
55 Methyl methacrylate	69	14.232	14.216	0.016	87	2044	0.1833	0.1418	
57 1,4-Dioxane	88		14.269				ND	ND	
56 Dibromomethane	174	14.280	14.280	0.000	88	5768	0.1858	0.1952	
58 Dichlorobromomethane	83	14.590	14.590	0.000	97	6928	0.1907	0.1960	
60 cis-1,3-Dichloropropene	75	15.403	15.393	0.010	87	4965	0.1874	0.1818	
61 4-Methyl-2-pentanone (MIBK)	43	15.719	15.665	0.054	79	3253	0.1847	0.1437	
62 Toluene	92	16.040	16.035	0.005	93	7089	0.1833	0.2011	
63 n-Octane	43	16.286	16.291	-0.005	79	4687	0.1863	0.1905	
64 trans-1,3-Dichloropropene	75	16.457	16.452	0.005	93	3858	0.1782	0.1592	
65 1,1,2-Trichloroethane	83	16.832	16.826	0.006	93	3114	0.1891	0.1978	
66 Tetrachloroethene	166	17.030	17.030	0.000	96	8577	0.1894	0.2106	
67 2-Hexanone	43	17.334	17.254	0.080	94	2225	0.1802	0.1129	
68 Chlorodibromomethane	129	17.564	17.565	-0.001	95	6229	0.1746	0.1400	
69 Ethylene Dibromide	107	17.816	17.805	0.011	98	5491	0.1914	0.1812	
* 70 Chlorobenzene-d5	117	18.720	18.715	0.005	84	518679	10.0	10.0	
72 Chlorobenzene	112	18.779	18.779	0.000	96	10336	0.1892	0.2038	
73 Ethylbenzene	91	18.971	18.972	-0.001	96	14136	0.1844	0.1840	
74 m-Xylene & p-Xylene	106	19.234	19.234	0.000	0	11071	0.3709	0.3846	M
75 n-Nonane	57	19.292	19.298	-0.006	82	3610	0.1891	0.1496	
76 o-Xylene	106	20.015	20.009	0.006	98	5451	0.1869	0.1799	
77 Styrene	104	20.041	20.047	-0.006	90	6541	0.1862	0.1520	
S 78 Xylenes, Total	106				0		0.5578	0.5646	
79 Bromoform	173	20.389	20.395	-0.006	97	3529	0.1856	0.0848	
80 Isopropylbenzene	105	20.715	20.716	-0.001	95	15484	0.1882	0.1747	
81 1,1,2,2-Tetrachloroethane	83	21.234	21.234	0.000	96	7518	0.1865	0.1867	
82 1,2,3-Trichloropropane	75	21.336	21.331	0.005	92	5805	0.1910	0.1929	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	15053	0.1876	0.1594	
84 2-Chlorotoluene	91	21.582	21.582	0.000	95	10589	0.1883	0.1715	
85 4-Ethyltoluene	105	21.641	21.636	0.005	97	12475	0.1863	0.1522	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	93	11580	0.1874	0.1606	
87 n-Decane	57	21.769	21.764	0.005	92	3027	0.1880	0.1063	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	92	4467	0.1840	0.1254	
89 tert-Butylbenzene	119	22.213	22.213	0.000	94	13020	0.1869	0.1733	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.304	22.299	0.005	96	10077	0.1876	0.1461	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	17393	0.1887	0.1699	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	93	6067	0.1909	0.1326	
93 4-Isopropyltoluene	119	22.759	22.754	0.005	97	13456	0.1860	0.1505	
94 1,4-Dichlorobenzene	146	22.855	22.855	0.000	95	4944	0.1889	0.1189	
95 Benzyl chloride	91	23.000	23.000	0.000	99	4410	0.1909	0.1065	
96 n-Butylbenzene	91	23.310	23.310	0.000	95	7730	0.1874	0.1185	
97 1,2-Dichlorobenzene	146	23.337	23.342	-0.005	98	7297	0.1883	0.1549	
98 Undecane	57	23.465	23.460	0.005	88	1549	0.1887	0.0506	
99 Dodecane	57		25.038				ND	ND	
100 1,2,4-Trichlorobenzene	180	25.766	25.766	0.000	1	698	0.1959	0.0294	
101 Hexachlorobutadiene	225	26.006	26.012	-0.006	93	7548	0.1851	0.1487	
102 Naphthalene	128	26.236	26.236	0.000	1	1046	0.1753	0.0211	
103 1,2,3-Trichlorobenzene	180	26.648	26.643	0.005	84	996	0.1645	0.0365	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00234

Amount Added: 180.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:14

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-004.d

Injection Date: 20-Oct-2021 12:07:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

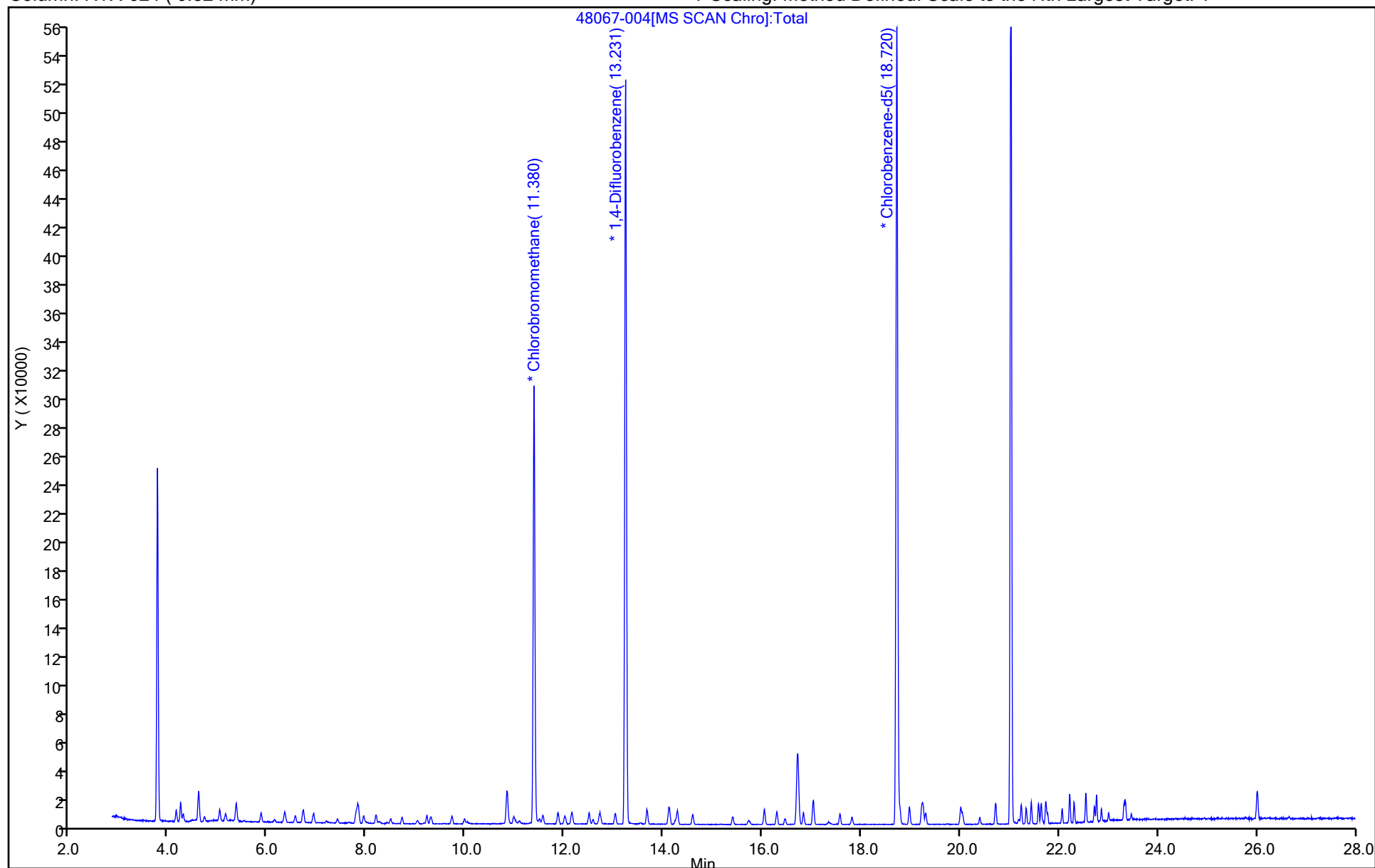
ALS Bottle#: 3

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

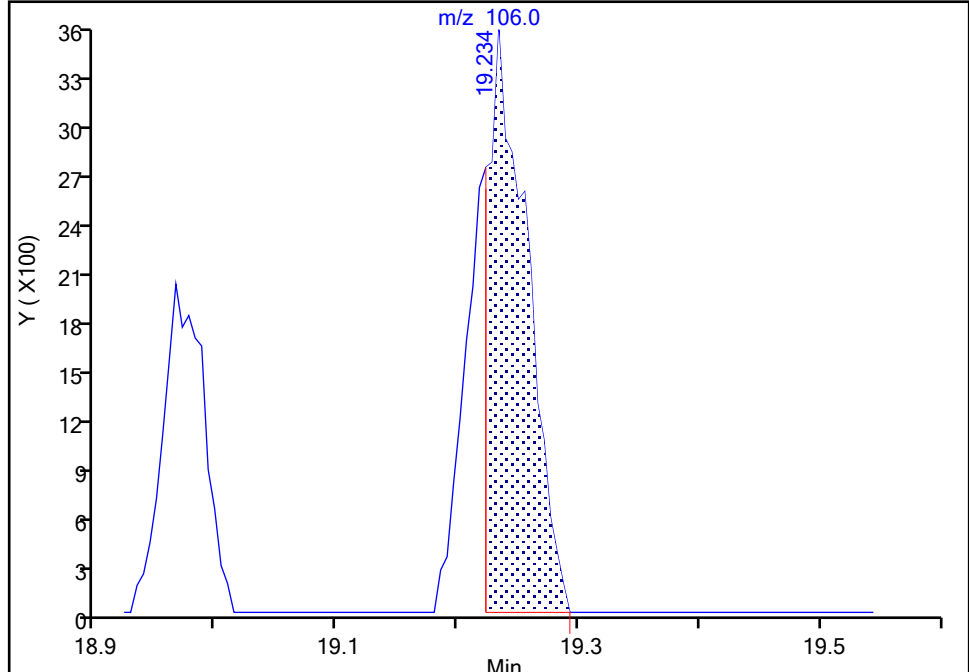
Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-004.d
Injection Date: 20-Oct-2021 12:07:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

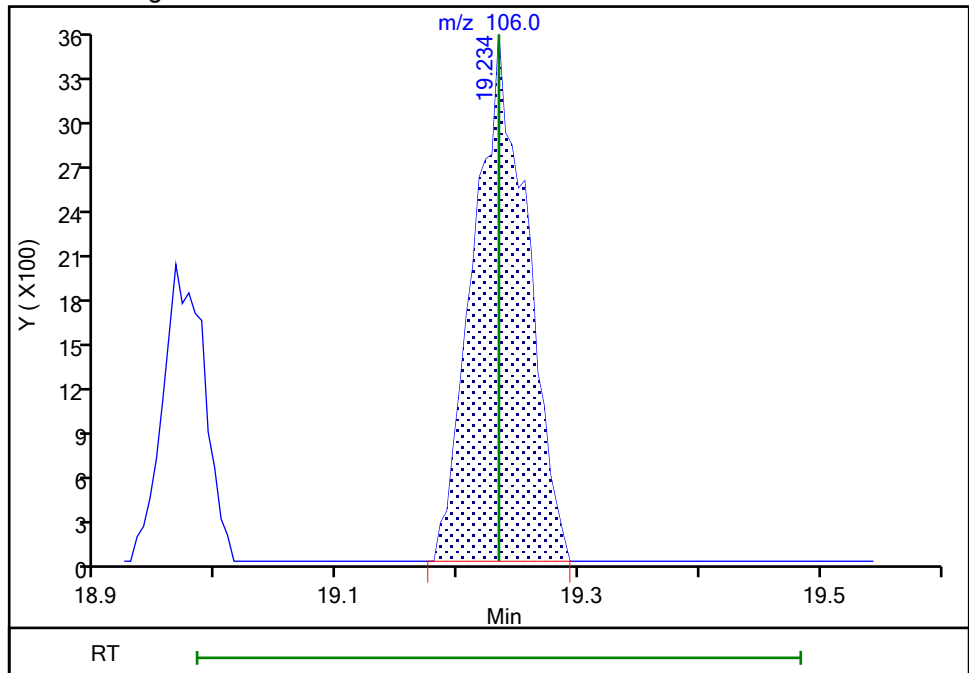
RT: 19.23
Area: 8214
Amount: 0.495231
Amount Units: ppb v/v

Processing Integration Results



RT: 19.23
Area: 11071
Amount: 0.384620
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 20-Oct-2021 15:07:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 122 of 356

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-007.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 20-Oct-2021 14:46:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-007
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:15 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 20-Oct-2021 15:33:41

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	4.126	4.126	0.000	99	89845	4.64	4.56	
2 Dichlorodifluoromethane	85	4.222	4.217	0.005	99	341438	4.69	4.46	
3 Chlorodifluoromethane	51	4.265	4.265	0.000	97	175435	4.71	4.53	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.581	4.581	0.000	91	372641	4.68	4.46	
5 Chloromethane	50	4.699	4.693	0.006	99	103650	4.91	4.78	
6 Vinyl chloride	62	5.009	5.009	0.000	98	100225	4.67	4.52	
7 Butane	43	5.014	5.014	0.000	97	116769	4.66	4.54	
8 Butadiene	54	5.127	5.127	0.000	93	65665	4.55	4.09	
9 Bromomethane	94	5.843	5.843	0.000	99	124252	4.63	4.47	
10 Chloroethane	64	6.122	6.122	0.000	98	57236	4.67	4.63	
11 2-Methylbutane	43	6.336	6.336	0.000	90	95167	4.69	4.61	
13 Vinyl bromide	106	6.544	6.544	0.000	100	120997	4.68	4.58	
14 Trichlorofluoromethane	101	6.705	6.705	0.000	98	273256	4.74	4.64	
15 Pentane	43	6.913	6.919	-0.006	99	121408	4.55	4.60	
16 Ethanol	45	7.117	7.106	0.011	99	41758	8.99	7.13	
18 Ethyl ether	59	7.363	7.352	0.011	93	55051	4.53	4.63	
19 Acrolein	56	7.593	7.582	0.011	95	28262	4.37	4.43	
20 1,1-Dichloroethene	96	7.769	7.775	-0.006	92	97062	4.62	4.53	
21 112TCTFE	101	7.817	7.817	0.000	94	205509	4.71	4.70	
22 Acetone	43	7.887	7.871	0.016	96	90145	4.60	4.74	
24 Isopropyl alcohol	45	8.197	8.176	0.021	100	90343	4.59	4.69	
23 Carbon disulfide	76	8.181	8.181	0.000	98	227463	4.57	4.58	
25 Acetonitrile	41	8.374	8.363	0.011	98	34109	4.45	4.72	
26 3-Chloro-1-propene	41	8.476	8.475	0.001	97	31101	4.79	2.61	
27 Methylene Chloride	49	8.706	8.705	0.001	80	59418	4.62	4.78	
28 2-Methyl-2-propanol	59	8.978	8.957	0.021	94	118532	4.84	4.95	
29 Acrylonitrile	53	9.117	9.112	0.005	94	34982	4.54	4.77	
30 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	91	89002	4.58	4.84	
31 Methyl tert-butyl ether	73	9.241	9.235	0.005	95	196552	4.70	4.82	
32 Hexane	57	9.717	9.722	-0.005	89	84509	4.76	4.98	
33 1,1-Dichloroethane	63	9.973	9.973	0.000	99	108309	4.49	4.63	

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	9.995	9.989	0.006	99	120770	4.67	4.98	
S 35 1,2-Dichloroethene, Total	61				0		9.12	9.53	
37 2-Butanone (MEK)	72	10.958	10.952	0.006	97	31398	4.65	4.87	
36 cis-1,2-Dichloroethene	96	10.968	10.968	0.000	85	81414	4.54	4.69	
38 Ethyl acetate	88	11.043	11.038	0.005	99	6471	4.55	5.03	
* 39 Chlorobromomethane	128	11.380	11.380	0.000	70	132138	10.0	10.0	
40 Tetrahydrofuran	42	11.455	11.439	0.016	83	47849	4.49	4.64	
41 Chloroform	83	11.557	11.562	-0.005	94	153800	4.54	4.60	
42 1,1,1-Trichloroethane	97	11.862	11.867	-0.005	94	174454	4.58	4.56	
43 Cyclohexane	84	12.006	12.006	0.000	91	97735	4.56	4.72	
44 Carbon tetrachloride	117	12.145	12.145	0.000	97	191750	4.57	4.56	
45 Benzene	78	12.493	12.493	0.000	94	219854	4.64	4.80	
46 1,2-Dichloroethane	62	12.568	12.568	0.000	99	90283	4.66	4.70	
47 Isooctane	57	12.712	12.712	0.000	98	279489	4.70	4.98	
48 n-Heptane	43	13.023	13.023	0.000	83	87993	4.72	4.99	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	617974	10.0	10.0	
50 n-Butanol	56	13.483	13.472	0.011	84	33993	4.29	4.35	
51 Trichloroethene	95	13.665	13.665	0.000	95	108890	4.73	4.80	
53 1,2-Dichloropropane	63	14.119	14.125	-0.006	89	67715	4.63	4.95	
55 Methyl methacrylate	69	14.221	14.216	0.005	92	66972	4.57	4.75	
57 1,4-Dioxane	88	14.280	14.269	0.011	45	50896	4.75	5.57	
56 Dibromomethane	174	14.280	14.280	0.000	87	139673	4.63	4.83	
58 Dichlorobromomethane	83	14.590	14.590	0.000	98	166629	4.75	4.82	
60 cis-1,3-Dichloropropene	75	15.393	15.393	0.000	88	126982	4.67	4.75	
61 4-Methyl-2-pentanone (MIBK)	43	15.676	15.665	0.011	92	108576	4.60	4.90	
62 Toluene	92	16.035	16.035	0.000	93	174570	4.57	4.82	
63 n-Octane	43	16.286	16.291	-0.005	83	123061	4.64	5.11	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	94	106000	4.44	4.47	
65 1,1,2-Trichloroethane	83	16.826	16.826	0.000	93	78665	4.71	4.87	
66 Tetrachloroethene	166	17.030	17.030	0.000	95	199084	4.72	4.76	
67 2-Hexanone	43	17.260	17.254	0.006	99	93091	4.49	4.60	
68 Chlorodibromomethane	129	17.565	17.565	0.000	97	209310	4.35	4.58	
69 Ethylene Dibromide	107	17.805	17.805	0.000	98	154842	4.77	4.98	
* 70 Chlorobenzene-d5	117	18.715	18.715	0.000	83	532485	10.0	10.0	
72 Chlorobenzene	112	18.779	18.779	0.000	98	260025	4.71	4.99	
73 Ethylbenzene	91	18.972	18.972	0.000	97	392743	4.59	4.98	
74 m-Xylene & p-Xylene	106	19.234	19.234	0.000	0	331665	9.24	11.2	
75 n-Nonane	57	19.298	19.298	0.000	81	144559	4.71	5.83	
76 o-Xylene	106	20.009	20.009	0.000	98	160573	4.66	5.16	
77 Styrene	104	20.047	20.047	0.000	95	242842	4.64	5.50	
S 78 Xylenes, Total	106				0		13.9	16.4	
79 Bromoform	173	20.395	20.395	0.000	99	221557	4.62	5.18	
80 Isopropylbenzene	105	20.716	20.716	0.000	94	478908	4.69	5.26	
81 1,1,2,2-Tetrachloroethane	83	21.235	21.234	0.001	98	205246	4.65	4.97	
82 1,2,3-Trichloropropane	75	21.336	21.331	0.005	95	154378	4.76	5.00	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	524596	4.67	5.41	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	328957	4.69	5.19	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	460867	4.64	5.48	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	94	405195	4.67	5.47	
87 n-Decane	57	21.764	21.764	0.000	92	169934	4.68	5.81	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	200652	4.58	5.49	
89 tert-Butylbenzene	119	22.214	22.213	0.001	95	419820	4.66	5.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	96	400821	4.67	5.66	
91 sec-Butylbenzene	105	22.540	22.540	0.000	99	588112	4.70	5.59	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	94	258772	4.75	5.51	
93 4-Isopropyltoluene	119	22.759	22.754	0.005	98	505218	4.63	5.50	
94 1,4-Dichlorobenzene	146	22.856	22.855	0.001	97	232346	4.70	5.44	
95 Benzyl chloride	91	23.000	23.000	0.000	100	210795	4.75	4.96	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	380320	4.67	5.68	
97 1,2-Dichlorobenzene	146	23.342	23.342	0.000	99	269098	4.69	5.57	
98 Undecane	57	23.460	23.460	0.000	90	150801	4.70	4.80	
99 Dodecane	57	25.033	25.038	-0.005	96	63324	4.21	2.89	
100 1,2,4-Trichlorobenzene	180	25.766	25.766	0.000	93	102563	4.88	4.21	
101 Hexachlorobutadiene	225	26.006	26.012	-0.006	95	257400	4.61	4.94	
102 Naphthalene	128	26.237	26.236	0.001	99	214985	4.37	4.23	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	105137	4.10	3.76	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL3w_00240

Amount Added: 180.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:15

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-007.d

Injection Date: 20-Oct-2021 14:46:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

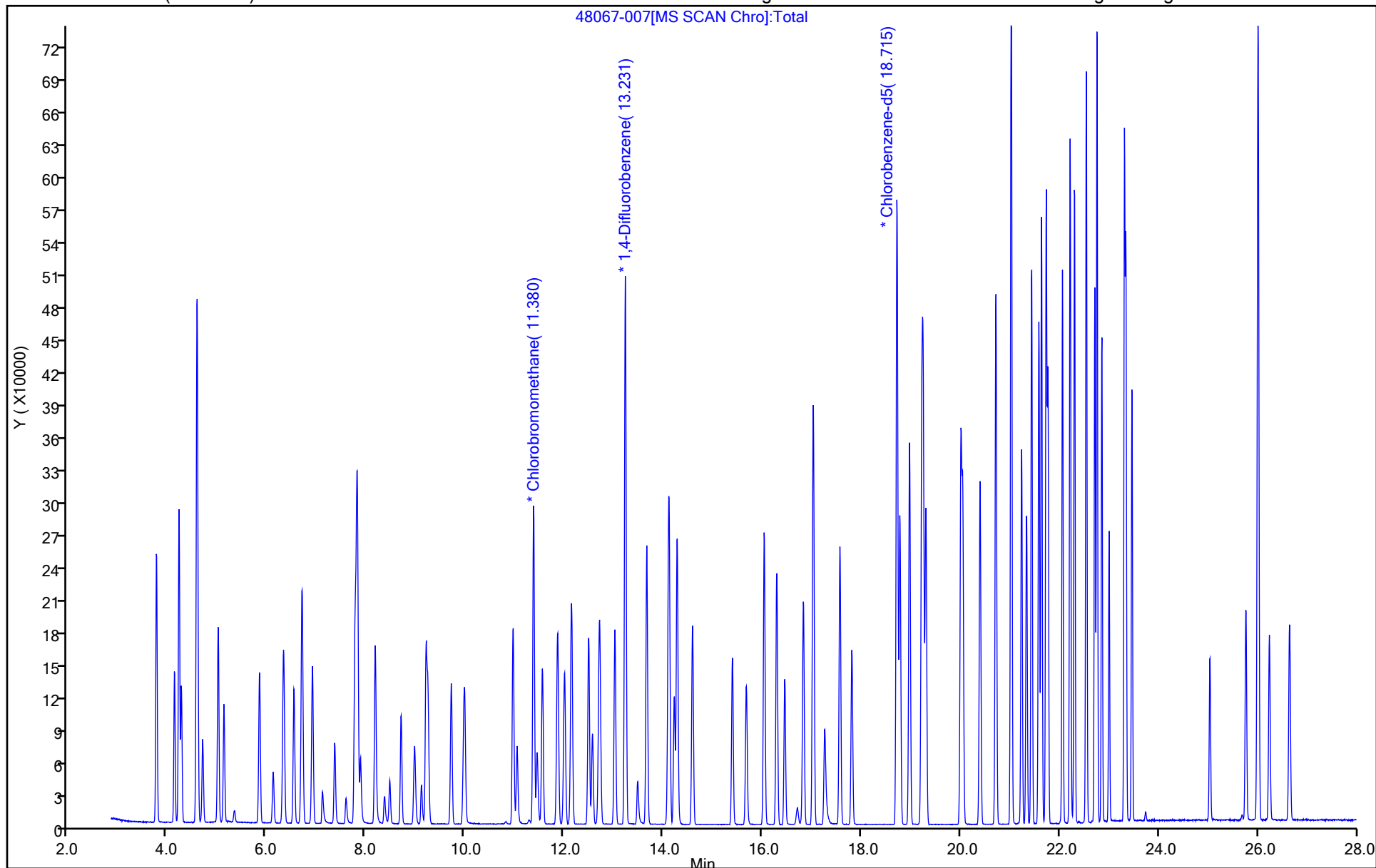
ALS Bottle#: 6

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-008.d
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 20-Oct-2021 15:39:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-008
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:17 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 20-Oct-2021 16:28:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.126	4.126	0.000	98	185825	10.3	9.50	
2 Dichlorodifluoromethane	85	4.217	4.217	0.000	99	712708	10.4	9.37	
3 Chlorodifluoromethane	51	4.265	4.265	0.000	97	367211	10.5	9.55	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.581	4.581	0.000	98	782087	10.4	9.44	
5 Chloromethane	50	4.693	4.693	0.000	99	215993	10.9	10.0	
6 Vinyl chloride	62	5.009	5.009	0.000	98	214615	10.4	9.75	
7 Butane	43	5.014	5.014	0.000	97	249374	10.4	9.77	
8 Butadiene	54	5.127	5.127	0.000	93	141603	10.1	8.88	
9 Bromomethane	94	5.843	5.843	0.000	99	258990	10.3	9.37	
10 Chloroethane	64	6.122	6.122	0.000	98	117514	10.4	9.57	
11 2-Methylbutane	43	6.336	6.336	0.000	91	196466	10.4	9.58	
13 Vinyl bromide	106	6.544	6.544	0.000	99	252841	10.4	9.64	
14 Trichlorofluoromethane	101	6.705	6.705	0.000	98	567099	10.6	9.71	
15 Pentane	43	6.919	6.919	0.000	99	251719	10.1	9.60	
16 Ethanol	45	7.106	7.106	0.000	98	94889	15.0	16.3	
18 Ethyl ether	59	7.352	7.352	0.000	91	114834	10.1	9.73	
19 Acrolein	56	7.582	7.582	0.000	96	62629	9.72	9.90	
20 1,1-Dichloroethene	96	7.775	7.775	0.000	92	202978	10.3	9.53	
21 112TCTFE	101	7.817	7.817	0.000	94	425172	10.5	9.79	
22 Acetone	43	7.871	7.871	0.000	96	187233	10.2	9.92	
24 Isopropyl alcohol	45	8.176	8.176	0.000	100	190907	10.2	9.98	
23 Carbon disulfide	76	8.181	8.181	0.000	99	469982	10.2	9.54	
25 Acetonitrile	41	8.363	8.363	0.000	98	69707	9.90	9.72	
26 3-Chloro-1-propene	41	8.475	8.475	0.000	96	135232	10.6	11.4	
27 Methylene Chloride	49	8.705	8.705	0.000	80	121094	10.3	9.80	
28 2-Methyl-2-propanol	59	8.957	8.957	0.000	93	249199	10.8	10.5	
29 Acrylonitrile	53	9.112	9.112	0.000	95	73321	10.1	10.1	
30 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	91	182759	10.2	10.0	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	95	410715	10.4	10.1	
32 Hexane	57	9.722	9.722	0.000	89	174803	10.6	10.4	
33 1,1-Dichloroethane	63	9.973	9.973	0.000	99	219116	10.0	9.44	

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	9.989	9.989	0.000	99	251448	10.4	10.4	
S 35 1,2-Dichloroethene, Total	61				0		20.3	19.8	
37 2-Butanone (MEK)	72	10.952	10.952	0.000	96	66796	10.3	10.4	
36 cis-1,2-Dichloroethene	96	10.968	10.968	0.000	85	169274	10.1	9.81	
38 Ethyl acetate	88	11.038	11.038	0.000	99	13442	10.1	10.5	
* 39 Chlorobromomethane	128	11.380	11.380	0.000	71	131197	10.0	10.0	
40 Tetrahydrofuran	42	11.439	11.439	0.000	81	99545	9.99	9.88	
41 Chloroform	83	11.562	11.562	0.000	95	319882	10.1	9.65	
42 1,1,1-Trichloroethane	97	11.867	11.867	0.000	94	363204	10.2	9.70	
43 Cyclohexane	84	12.006	12.006	0.000	91	202207	10.1	9.99	
44 Carbon tetrachloride	117	12.145	12.145	0.000	97	397946	10.2	9.67	
45 Benzene	78	12.493	12.493	0.000	94	444729	10.3	9.93	
46 1,2-Dichloroethane	62	12.568	12.568	0.000	99	187354	10.4	9.98	
47 Isooctane	57	12.712	12.712	0.000	98	575184	10.5	10.5	
48 n-Heptane	43	13.023	13.023	0.000	83	178270	10.5	10.3	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	604175	10.0	10.0	
50 n-Butanol	56	13.472	13.472	0.000	84	76405	9.55	10.0	
51 Trichloroethene	95	13.665	13.665	0.000	95	225207	10.5	10.2	
53 1,2-Dichloropropane	63	14.125	14.125	0.000	89	138270	10.3	10.3	
55 Methyl methacrylate	69	14.216	14.216	0.000	92	146467	10.2	10.6	
57 1,4-Dioxane	88	14.269	14.269	0.000	86	98104	10.6	11.0	
56 Dibromomethane	174	14.280	14.280	0.000	88	283888	10.3	10.0	
58 Dichlorobromomethane	83	14.590	14.590	0.000	98	347022	10.6	10.3	
60 cis-1,3-Dichloropropene	75	15.393	15.393	0.000	89	268918	10.4	10.3	
61 4-Methyl-2-pentanone (MIBK)	43	15.665	15.665	0.000	91	230686	10.2	10.6	
62 Toluene	92	16.035	16.035	0.000	93	356976	10.2	9.93	
63 n-Octane	43	16.291	16.291	0.000	81	247569	10.3	10.5	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	94	234771	9.88	10.1	
65 1,1,2-Trichloroethane	83	16.826	16.826	0.000	93	162746	10.5	10.1	
66 Tetrachloroethene	166	17.030	17.030	0.000	95	410652	10.5	9.89	
67 2-Hexanone	43	17.254	17.254	0.000	99	207882	9.99	10.3	
68 Chlorodibromomethane	129	17.565	17.565	0.000	97	445948	9.68	9.83	
69 Ethylene Dibromide	107	17.805	17.805	0.000	100	325140	10.6	10.5	
* 70 Chlorobenzene-d5	117	18.715	18.715	0.000	82	528643	10.0	10.0	
72 Chlorobenzene	112	18.779	18.779	0.000	98	525302	10.5	10.2	
73 Ethylbenzene	91	18.972	18.972	0.000	97	795363	10.2	10.2	
74 m-Xylene & p-Xylene	106	19.234	19.234	0.000	0	649026	20.6	22.1	
75 n-Nonane	57	19.298	19.298	0.000	81	275431	10.5	11.2	
76 o-Xylene	106	20.009	20.009	0.000	99	320640	10.4	10.4	
77 Styrene	104	20.047	20.047	0.000	97	489920	10.3	11.2	
S 78 Xylenes, Total	106				0		30.9	32.5	
79 Bromoform	173	20.395	20.395	0.000	99	490644	10.3	11.6	
80 Isopropylbenzene	105	20.716	20.716	0.000	95	962586	10.4	10.7	
81 1,1,2,2-Tetrachloroethane	83	21.234	21.234	0.000	99	425715	10.3	10.4	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	95	319427	10.6	10.4	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	1054586	10.4	11.0	
84 2-Chlorotoluene	91	21.582	21.582	0.000	95	670229	10.4	10.7	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	922234	10.3	11.0	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	94	802884	10.4	10.9	
87 n-Decane	57	21.764	21.764	0.000	92	332286	10.4	11.5	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	92	420878	10.2	11.6	
89 tert-Butylbenzene	119	22.213	22.213	0.000	95	822749	10.4	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	97	790235	10.4	11.2	
91 sec-Butylbenzene	105	22.540	22.540	0.000	99	1160548	10.5	11.1	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	94	551524	10.6	11.8	
93 4-Isopropyltoluene	119	22.754	22.754	0.000	97	1004303	10.3	11.0	
94 1,4-Dichlorobenzene	146	22.855	22.855	0.000	96	505405	10.5	11.9	
95 Benzyl chloride	91	23.000	23.000	0.000	100	514647	10.6	12.2	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	804225	10.4	12.1	
97 1,2-Dichlorobenzene	146	23.342	23.342	0.000	99	539288	10.4	11.2	
98 Undecane	57	23.460	23.460	0.000	89	343088	10.5	11.0	
99 Dodecane	57	25.038	25.038	0.000	96	203758	9.36	9.35	
100 1,2,4-Trichlorobenzene	180	25.766	25.766	0.000	94	277731	10.9	11.5	
101 Hexachlorobutadiene	225	26.012	26.012	0.000	95	575757	10.3	11.1	
102 Naphthalene	128	26.236	26.236	0.000	99	541090	9.72	10.7	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	95	263251	9.12	9.48	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00772

Amount Added: 200.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:17

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-008.d

Injection Date: 20-Oct-2021 15:39:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: icis

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

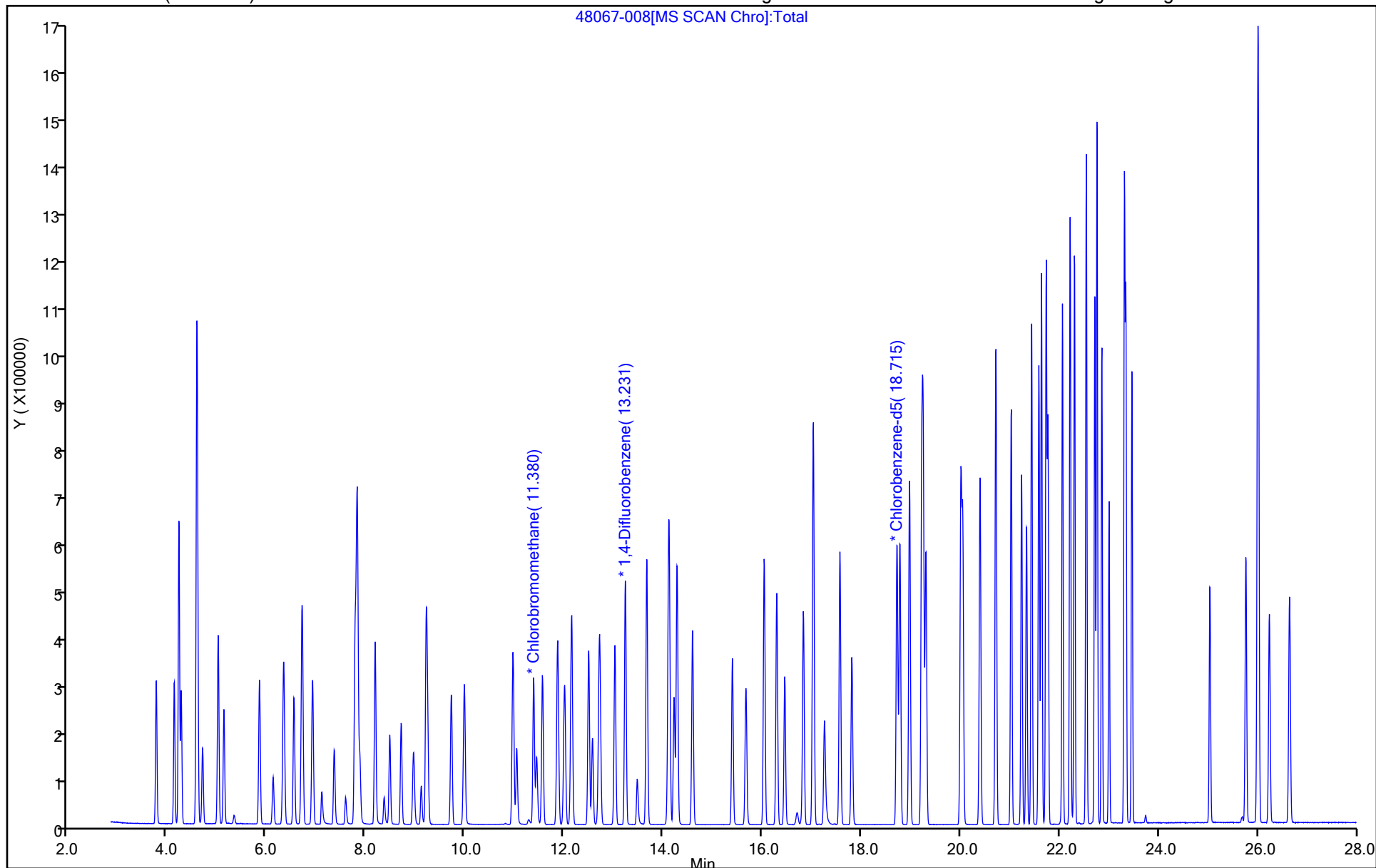
ALS Bottle#: 7

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-012.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 20-Oct-2021 19:10:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-012
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:18 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 21-Oct-2021 08:52:12

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	4.115	4.126	-0.011	98	274982	15.5	14.9	
2 Dichlorodifluoromethane	85	4.206	4.217	-0.011	99	1116780	15.7	15.6	
3 Chlorodifluoromethane	51	4.249	4.265	-0.016	97	556741	15.7	15.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.565	4.581	-0.016	98	1214156	15.6	15.5	
5 Chloromethane	50	4.677	4.693	-0.016	99	322294	16.4	15.9	
6 Vinyl chloride	62	4.982	5.009	-0.027	98	308465	15.6	14.9	
7 Butane	43	4.987	5.014	-0.027	97	351695	15.5	14.6	
8 Butadiene	54	5.100	5.127	-0.027	93	200361	15.2	13.3	
9 Bromomethane	94	5.811	5.843	-0.032	100	401587	15.5	15.4	
10 Chloroethane	64	6.084	6.122	-0.038	99	178761	15.6	15.5	
11 2-Methylbutane	43	6.298	6.336	-0.038	89	291332	15.7	15.1	
13 Vinyl bromide	106	6.501	6.544	-0.043	100	389627	15.6	15.8	
14 Trichlorofluoromethane	101	6.667	6.705	-0.038	98	870302	15.8	15.8	
15 Pentane	43	6.876	6.919	-0.043	99	375756	15.2	15.2	
16 Ethanol	45	7.047	7.106	-0.059	99	189055	30.0	34.5	
18 Ethyl ether	59	7.304	7.352	-0.048	91	174106	15.1	15.7	
19 Acrolein	56	7.539	7.582	-0.043	96	89939	14.6	15.1	
20 1,1-Dichloroethene	96	7.732	7.775	-0.043	92	305211	15.4	15.2	
21 112TCTFE	101	7.775	7.817	-0.042	95	643278	15.7	15.7	
22 Acetone	43	7.823	7.871	-0.048	96	272898	15.4	15.3	
24 Isopropyl alcohol	45	8.122	8.176	-0.054	100	284916	15.3	15.8	
23 Carbon disulfide	76	8.144	8.181	-0.037	98	705342	15.2	15.2	
25 Acetonitrile	41	8.315	8.363	-0.048	99	104855	14.8	15.5	
26 3-Chloro-1-propene	41	8.433	8.475	-0.042	96	201040	16.0	18.0	
27 Methylene Chloride	49	8.663	8.705	-0.042	79	177518	15.4	15.2	
28 2-Methyl-2-propanol	59	8.898	8.957	-0.059	93	367430	16.2	16.4	
29 Acrylonitrile	53	9.064	9.112	-0.048	94	109920	15.2	16.0	
30 trans-1,2-Dichloroethene	61	9.166	9.208	-0.042	91	267561	15.3	15.6	
31 Methyl tert-butyl ether	73	9.187	9.235	-0.048	95	612788	15.7	16.0	
32 Hexane	57	9.679	9.722	-0.043	89	252647	15.9	15.9	
33 1,1-Dichloroethane	63	9.931	9.973	-0.042	99	321455	15.0	14.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	9.947	9.989	-0.042	99	369846	15.6	16.3	
S 35 1,2-Dichloroethene, Total	61				0		30.4	30.7	
37 2-Butanone (MEK)	72	10.910	10.952	-0.042	96	98526	15.5	16.3	
36 cis-1,2-Dichloroethene	96	10.931	10.968	-0.037	85	246742	15.1	15.2	
38 Ethyl acetate	88	11.001	11.038	-0.038	99	20341	15.2	16.9	
* 39 Chlorobromomethane	128	11.348	11.380	-0.032	70	123636	10.0	10.0	
40 Tetrahydrofuran	42	11.396	11.439	-0.043	81	145460	15.0	15.2	
41 Chloroform	83	11.525	11.562	-0.037	95	471657	15.1	15.1	
42 1,1,1-Trichloroethane	97	11.835	11.867	-0.032	94	546475	15.3	15.3	
43 Cyclohexane	84	11.974	12.006	-0.032	90	295356	15.2	15.3	
44 Carbon tetrachloride	117	12.119	12.145	-0.026	97	594331	15.2	15.2	
45 Benzene	78	12.461	12.493	-0.032	94	635475	15.5	14.9	
46 1,2-Dichloroethane	62	12.541	12.568	-0.027	99	282301	15.5	15.8	
47 Isooctane	57	12.680	12.712	-0.032	98	824772	15.7	15.8	
48 n-Heptane	43	12.991	13.023	-0.032	84	254999	15.8	15.6	
* 49 1,4-Difluorobenzene	114	13.205	13.231	-0.026	92	575089	10.0	10.0	
50 n-Butanol	56	13.440	13.472	-0.032	84	112433	14.3	15.5	
51 Trichloroethene	95	13.638	13.665	-0.027	95	334071	15.8	15.8	
53 1,2-Dichloropropane	63	14.098	14.125	-0.027	93	193565	15.5	15.2	
55 Methyl methacrylate	69	14.194	14.216	-0.022	91	211480	15.2	16.1	
57 1,4-Dioxane	88	14.237	14.269	-0.032	85	133063	15.9	15.7	
56 Dibromomethane	174	14.258	14.280	-0.022	88	419027	15.4	15.6	
58 Dichlorobromomethane	83	14.569	14.590	-0.021	98	517925	15.9	16.1	
60 cis-1,3-Dichloropropene	75	15.377	15.393	-0.016	89	402706	15.6	16.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.644	15.665	-0.021	91	327542	15.4	15.9	
62 Toluene	92	16.019	16.035	-0.016	93	511962	15.2	14.8	
63 n-Octane	43	16.275	16.291	-0.016	84	350429	15.5	15.6	
64 trans-1,3-Dichloropropene	75	16.436	16.452	-0.016	94	352555	14.8	16.0	
65 1,1,2-Trichloroethane	83	16.816	16.826	-0.010	93	242196	15.7	15.7	
66 Tetrachloroethene	166	17.014	17.030	-0.016	95	609991	15.7	15.3	
67 2-Hexanone	43	17.238	17.254	-0.016	99	307149	15.0	15.9	
68 Chlorodibromomethane	129	17.554	17.565	-0.011	97	663263	14.5	15.2	
69 Ethylene Dibromide	107	17.795	17.805	-0.010	99	482599	15.9	16.3	
* 70 Chlorobenzene-d5	117	18.709	18.715	-0.006	83	508242	10.0	10.0	
72 Chlorobenzene	112	18.768	18.779	-0.011	98	749059	15.7	15.1	
73 Ethylbenzene	91	18.961	18.972	-0.011	97	1141245	15.3	15.2	
74 m-Xylene & p-Xylene	106	19.218	19.234	-0.016	0	905707	30.8	32.1	
75 n-Nonane	57	19.293	19.298	-0.005	83	383059	15.7	16.2	
76 o-Xylene	106	20.004	20.009	-0.005	99	462296	15.5	15.6	
77 Styrene	104	20.042	20.047	-0.005	96	672657	15.5	16.0	
S 78 Xylenes, Total	106				0		46.4	47.7	
79 Bromoform	173	20.389	20.395	-0.006	99	711307	15.4	17.4	
80 Isopropylbenzene	105	20.710	20.716	-0.006	95	1382102	15.6	15.9	
81 1,1,2,2-Tetrachloroethane	83	21.229	21.234	-0.005	99	618955	15.5	15.7	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	95	470286	15.9	15.9	
83 N-Propylbenzene	91	21.432	21.438	-0.006	100	1504202	15.6	16.3	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	951931	15.7	15.7	
85 4-Ethyltoluene	105	21.636	21.636	0.000	99	1294145	15.5	16.1	
86 1,3,5-Trimethylbenzene	105	21.727	21.732	-0.005	94	1127913	15.6	16.0	
87 n-Decane	57	21.764	21.764	0.000	92	462546	15.6	16.6	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	587354	15.3	16.8	
89 tert-Butylbenzene	119	22.213	22.213	0.000	94	1168999	15.5	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	97	1100591	15.6	16.3	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	1624568	15.7	16.2	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	94	757396	15.9	16.9	
93 4-Isopropyltoluene	119	22.754	22.754	0.000	97	1427004	15.5	16.3	
94 1,4-Dichlorobenzene	146	22.850	22.855	-0.005	97	682198	15.7	16.7	
95 Benzyl chloride	91	23.000	23.000	0.000	100	742218	15.9	18.3	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	1124494	15.6	17.6	
97 1,2-Dichlorobenzene	146	23.337	23.342	-0.005	99	739311	15.7	16.0	
98 Undecane	57	23.460	23.460	0.000	89	474729	15.7	15.8	
99 Dodecane	57	25.033	25.038	-0.005	96	305456	14.0	14.6	
100 1,2,4-Trichlorobenzene	180	25.760	25.766	-0.006	94	374573	16.3	16.1	
101 Hexachlorobutadiene	225	26.006	26.012	-0.006	95	836031	15.4	16.8	
102 Naphthalene	128	26.236	26.236	0.000	99	627047	14.6	12.9	M
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	366018	13.7	13.7	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL6w_00194

Amount Added: 150.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:18

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-012.d

Injection Date: 20-Oct-2021 19:10:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

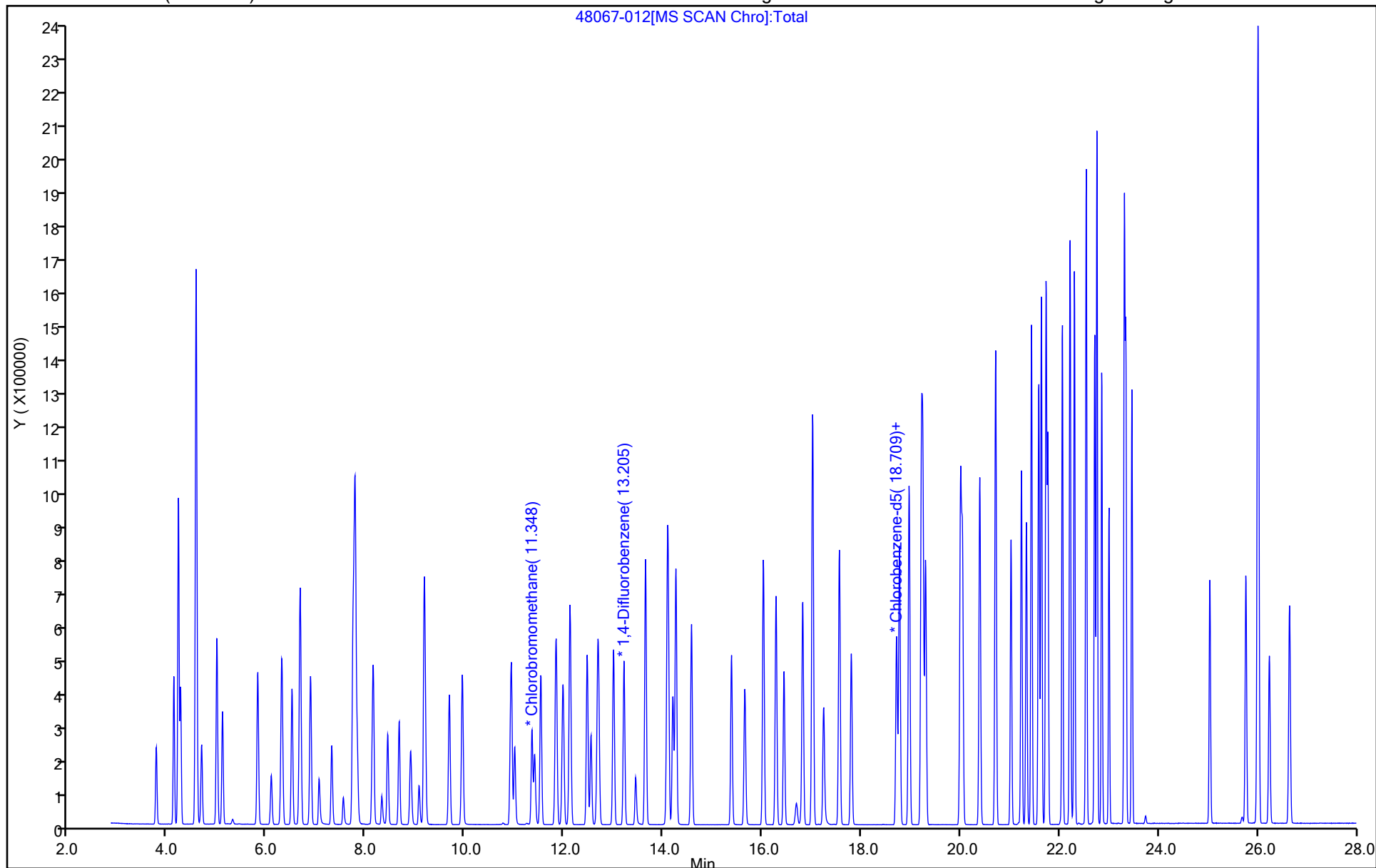
ALS Bottle#: 11

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

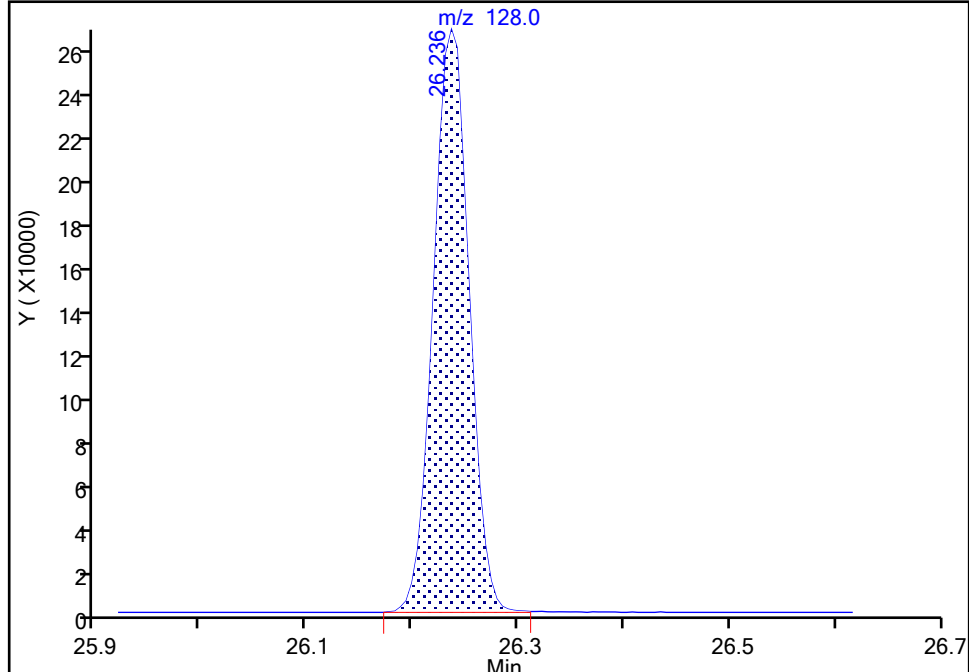
Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-012.d
Injection Date: 20-Oct-2021 19:10:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

102 Naphthalene, CAS: 91-20-3

Signal: 1

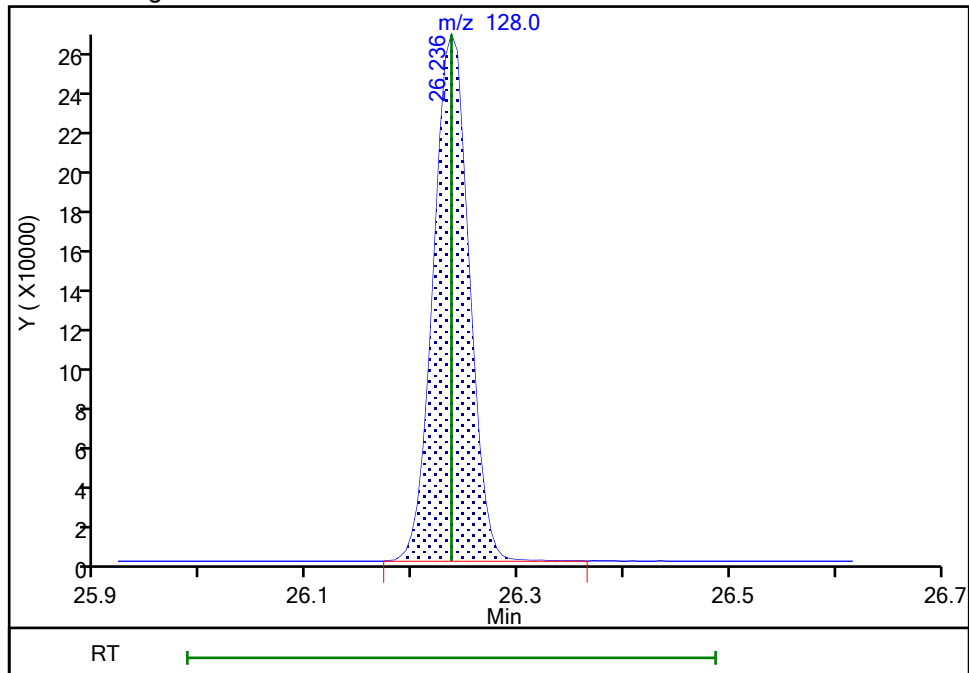
RT: 26.24
Area: 626236
Amount: 13.927840
Amount Units: ppb v/v

Processing Integration Results



RT: 26.24
Area: 627047
Amount: 12.931888
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:01:37

Audit Action: Manually Integrated

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-013.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 20-Oct-2021 20:02:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-013
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:20 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 21-Oct-2021 09:01:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.116	4.126	-0.010	98	354256	20.6	18.8	
2 Dichlorodifluoromethane	85	4.212	4.217	-0.005	99	1466765	20.9	20.1	
3 Chlorodifluoromethane	51	4.249	4.265	-0.016	97	727348	21.0	19.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.565	4.581	-0.016	98	1594920	20.8	20.0	
5 Chloromethane	50	4.677	4.693	-0.016	99	421082	21.8	20.4	
6 Vinyl chloride	62	4.982	5.009	-0.027	98	410328	20.8	19.4	
7 Butane	43	4.988	5.014	-0.026	97	465168	20.7	19.0	
8 Butadiene	54	5.100	5.127	-0.027	93	270567	20.2	17.7	
9 Bromomethane	94	5.811	5.843	-0.032	99	524298	20.6	19.7	
10 Chloroethane	64	6.084	6.122	-0.038	98	233949	20.8	19.8	
11 2-Methylbutane	43	6.298	6.336	-0.038	89	377705	20.9	19.2	
13 Vinyl bromide	106	6.502	6.544	-0.042	99	507476	20.8	20.1	
14 Trichlorofluoromethane	101	6.667	6.705	-0.038	98	1137770	21.1	20.3	
15 Pentane	43	6.876	6.919	-0.043	99	483761	20.3	19.2	
16 Ethanol	45	7.047	7.106	-0.059	99	242890	40.0	43.5	
18 Ethyl ether	59	7.299	7.352	-0.053	91	227375	20.2	20.0	
19 Acrolein	56	7.534	7.582	-0.048	96	119533	19.4	19.7	
20 1,1-Dichloroethene	96	7.732	7.775	-0.043	92	395349	20.6	19.3	
21 112TCTFE	101	7.775	7.817	-0.042	94	834836	21.0	20.0	
22 Acetone	43	7.818	7.871	-0.053	96	353454	20.5	19.5	
24 Isopropyl alcohol	45	8.117	8.176	-0.059	100	373007	20.4	20.3	
23 Carbon disulfide	76	8.144	8.181	-0.037	98	913580	20.3	19.3	
25 Acetonitrile	41	8.310	8.363	-0.053	98	133985	19.8	19.4	
26 3-Chloro-1-propene	41	8.433	8.475	-0.042	96	256325	21.3	22.5	
27 Methylene Chloride	49	8.663	8.705	-0.042	80	229889	20.6	19.4	
28 2-Methyl-2-propanol	59	8.893	8.957	-0.064	93	481689	21.6	21.1	
29 Acrylonitrile	53	9.064	9.112	-0.048	93	140620	20.2	20.1	
30 trans-1,2-Dichloroethene	61	9.166	9.208	-0.042	93	339289	20.4	19.4	
31 Methyl tert-butyl ether	73	9.182	9.235	-0.053	95	794553	20.9	20.4	
32 Hexane	57	9.679	9.722	-0.043	89	320500	21.2	19.8	
33 1,1-Dichloroethane	63	9.936	9.973	-0.037	99	409228	20.0	18.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	9.947	9.989	-0.042	99	469758	20.8	20.3	
S 35 1,2-Dichloroethene, Total	61				0		40.6	38.5	
37 2-Butanone (MEK)	72	10.910	10.952	-0.042	96	128652	20.7	20.9	
36 cis-1,2-Dichloroethene	96	10.931	10.968	-0.037	85	317474	20.2	19.2	
38 Ethyl acetate	88	10.995	11.038	-0.043	99	27370	20.3	22.3	
* 39 Chlorobromomethane	128	11.348	11.380	-0.032	69	126079	10.0	10.0	
40 Tetrahydrofuran	42	11.396	11.439	-0.043	80	188035	20.0	19.1	
41 Chloroform	83	11.525	11.562	-0.037	95	612324	20.2	19.2	
42 1,1,1-Trichloroethane	97	11.835	11.867	-0.032	94	713987	20.4	19.5	
43 Cyclohexane	84	11.974	12.006	-0.032	90	378677	20.3	19.1	
44 Carbon tetrachloride	117	12.119	12.145	-0.026	98	781661	20.3	19.4	
45 Benzene	78	12.461	12.493	-0.032	94	814068	20.7	18.6	
46 1,2-Dichloroethane	62	12.536	12.568	-0.032	99	368321	20.7	20.1	
47 Isooctane	57	12.680	12.712	-0.032	98	1048905	20.9	19.5	
48 n-Heptane	43	12.996	13.023	-0.027	83	323927	21.0	19.2	
* 49 1,4-Difluorobenzene	114	13.205	13.231	-0.026	92	591212	10.0	10.0	
50 n-Butanol	56	13.440	13.472	-0.032	83	150369	19.1	20.1	
51 Trichloroethene	95	13.638	13.665	-0.027	95	435738	21.1	20.1	
53 1,2-Dichloropropane	63	14.098	14.125	-0.027	88	246780	20.6	18.8	
55 Methyl methacrylate	69	14.194	14.216	-0.022	91	277354	20.3	20.5	
57 1,4-Dioxane	88	14.232	14.269	-0.037	84	171551	21.2	19.6	
56 Dibromomethane	174	14.259	14.280	-0.021	87	539925	20.6	19.5	
58 Dichlorobromomethane	83	14.569	14.590	-0.021	98	676643	21.1	20.4	
60 cis-1,3-Dichloropropene	75	15.377	15.393	-0.016	89	521567	20.8	20.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.639	15.665	-0.026	91	420551	20.5	19.8	
62 Toluene	92	16.019	16.035	-0.016	93	659047	20.3	18.5	
63 n-Octane	43	16.275	16.291	-0.016	80	443888	20.7	19.3	
64 trans-1,3-Dichloropropene	75	16.436	16.452	-0.016	94	459557	19.8	20.3	
65 1,1,2-Trichloroethane	83	16.816	16.826	-0.010	94	317011	21.0	19.9	
66 Tetrachloroethene	166	17.014	17.030	-0.016	95	789465	21.0	19.1	
67 2-Hexanone	43	17.233	17.254	-0.021	98	401668	20.0	20.1	
68 Chlorodibromomethane	129	17.554	17.565	-0.011	97	866289	19.4	19.2	
69 Ethylene Dibromide	107	17.795	17.805	-0.010	99	632702	21.2	20.6	
* 70 Chlorobenzene-d5	117	18.710	18.715	-0.005	83	525331	10.0	10.0	
72 Chlorobenzene	112	18.768	18.779	-0.011	98	969511	21.0	18.9	
73 Ethylbenzene	91	18.961	18.972	-0.011	97	1463423	20.4	18.8	
74 m-Xylene & p-Xylene	106	19.223	19.234	-0.011	0	1159362	41.1	39.8	
75 n-Nonane	57	19.293	19.298	-0.005	79	490105	21.0	20.0	
76 o-Xylene	106	20.004	20.009	-0.005	99	594654	20.7	19.4	
77 Styrene	104	20.042	20.047	-0.005	97	868568	20.6	19.9	
S 78 Xylenes, Total	106				0		61.8	59.1	
79 Bromoform	173	20.389	20.395	-0.006	98	940536	20.6	22.3	
80 Isopropylbenzene	105	20.710	20.716	-0.006	95	1770880	20.9	19.7	
81 1,1,2,2-Tetrachloroethane	83	21.229	21.234	-0.005	99	804644	20.7	19.7	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	95	611394	21.2	20.1	
83 N-Propylbenzene	91	21.433	21.438	-0.005	100	1932099	20.8	20.2	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	1237920	20.9	19.8	
85 4-Ethyltoluene	105	21.630	21.636	-0.006	98	1649197	20.7	19.9	
86 1,3,5-Trimethylbenzene	105	21.727	21.732	-0.005	93	1440594	20.8	19.7	
87 n-Decane	57	21.764	21.764	0.000	92	587197	20.8	20.4	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	747975	20.4	20.7	
89 tert-Butylbenzene	119	22.214	22.213	0.001	94	1466327	20.7	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	97	1386151	20.8	19.8	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	2034038	20.9	19.6	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	95	978463	21.2	21.1	
93 4-Isopropyltoluene	119	22.754	22.754	0.000	97	1800733	20.6	19.9	
94 1,4-Dichlorobenzene	146	22.856	22.855	0.001	97	882733	20.9	21.0	
95 Benzyl chloride	91	23.000	23.000	0.000	100	979138	21.2	23.3	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	1428911	20.8	21.6	
97 1,2-Dichlorobenzene	146	23.337	23.342	-0.005	98	935063	20.9	19.6	
98 Undecane	57	23.460	23.460	0.000	89	621676	20.9	20.0	
99 Dodecane	57	25.033	25.038	-0.005	96	411074	18.7	19.0	
100 1,2,4-Trichlorobenzene	180	25.760	25.766	-0.006	93	546782	21.7	22.7	
101 Hexachlorobutadiene	225	26.007	26.012	-0.005	95	1123400	20.5	21.8	
102 Naphthalene	128	26.237	26.236	0.001	99	895986	19.4	17.9	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	518031	18.2	18.8	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00194

Amount Added: 200.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:20

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-013.d

Injection Date: 20-Oct-2021 20:02:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

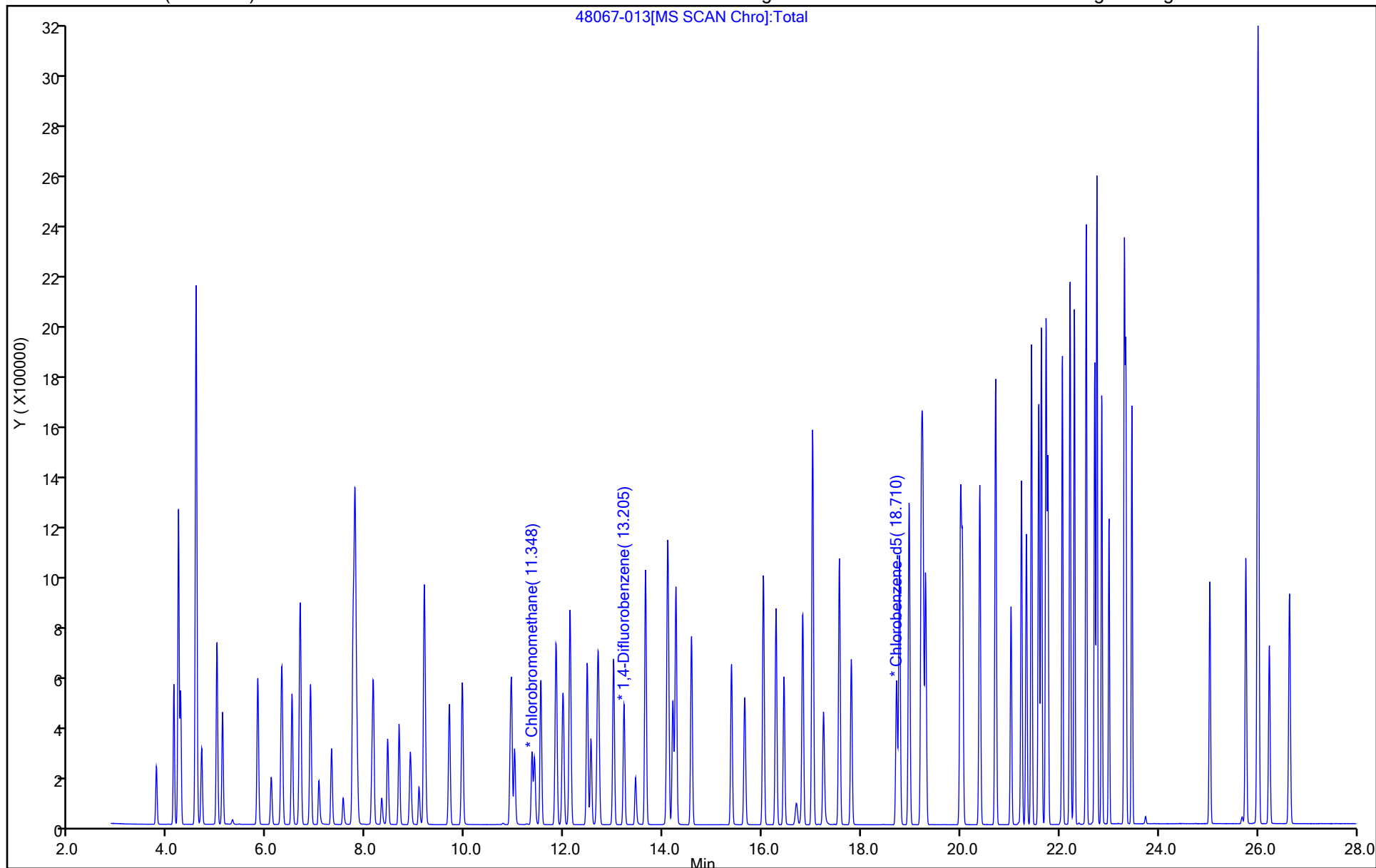
ALS Bottle#: 12

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-014.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 20-Oct-2021 20:55:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-014
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:21 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 21-Oct-2021 09:01:06

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	4.116	4.126	-0.010	98	701295	41.3	37.0	
2 Dichlorodifluoromethane	85	4.212	4.217	-0.005	99	2954306	41.8	40.1	
3 Chlorodifluoromethane	51	4.255	4.265	-0.010	97	1470374	41.9	39.5	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.570	4.581	-0.011	98	3223216	41.6	40.1	
5 Chloromethane	50	4.683	4.693	-0.010	99	854539	43.7	41.0	
6 Vinyl chloride	62	4.993	5.009	-0.016	98	834842	41.6	39.1	
7 Butane	43	4.998	5.014	-0.016	98	938425	41.4	38.0	
8 Butadiene	54	5.111	5.127	-0.016	92	551548	40.5	35.7	
9 Bromomethane	94	5.822	5.843	-0.021	99	1057983	41.2	39.5	
10 Chloroethane	64	6.095	6.122	-0.027	98	471371	41.6	39.6	
11 2-Methylbutane	43	6.309	6.336	-0.027	88	732163	41.8	36.9	
13 Vinyl bromide	106	6.518	6.544	-0.026	100	1007529	41.7	39.7	
14 Trichlorofluoromethane	101	6.683	6.705	-0.022	98	2286132	42.2	40.4	
15 Pentane	43	6.887	6.919	-0.032	99	927199	40.5	36.5	
16 Ethanol	45	7.053	7.106	-0.054	99	597870	100.0	106.1	
18 Ethyl ether	59	7.309	7.352	-0.043	91	447009	40.3	39.1	
19 Acrolein	56	7.545	7.582	-0.037	96	233425	38.9	38.1	
20 1,1-Dichloroethene	96	7.748	7.775	-0.027	92	757594	41.1	36.7	
21 112TCTFE	101	7.791	7.817	-0.026	93	1576820	42.0	37.5	
22 Acetone	43	7.823	7.871	-0.048	98	681141	41.0	37.3	
24 Isopropyl alcohol	45	8.122	8.176	-0.054	100	748698	40.9	40.4	
23 Carbon disulfide	76	8.160	8.181	-0.021	98	1776734	40.6	37.2	
25 Acetonitrile	41	8.320	8.363	-0.043	99	271108	39.6	39.0	
26 3-Chloro-1-propene	41	8.449	8.475	-0.026	96	483295	42.6	42.1	
27 Methylene Chloride	49	8.679	8.705	-0.026	79	458894	41.1	38.3	
28 2-Methyl-2-propanol	59	8.893	8.957	-0.064	93	974724	43.1	42.4	
29 Acrylonitrile	53	9.075	9.112	-0.037	93	274717	40.4	38.9	
30 trans-1,2-Dichloroethene	61	9.182	9.208	-0.026	93	642497	40.8	36.4	
31 Methyl tert-butyl ether	73	9.192	9.235	-0.043	95	1525030	41.8	38.8	
32 Hexane	57	9.690	9.722	-0.032	89	627173	42.4	38.4	
33 1,1-Dichloroethane	63	9.947	9.973	-0.026	99	774393	40.0	34.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	9.957	9.989	-0.032	98	896877	41.6	38.4	
S 35 1,2-Dichloroethene, Total	61				0		81.2	72.7	
37 2-Butanone (MEK)	72	10.915	10.952	-0.037	96	250534	41.4	40.4	
36 cis-1,2-Dichloroethene	96	10.947	10.968	-0.021	86	607691	40.4	36.4	
38 Ethyl acetate	88	11.006	11.038	-0.032	99	53490	40.5	43.2	
* 39 Chlorobromomethane	128	11.359	11.380	-0.021	69	127109	10.0	10.0	
40 Tetrahydrofuran	42	11.402	11.439	-0.037	78	371425	40.0	38.3	
41 Chloroform	83	11.536	11.562	-0.026	95	1238916	40.4	38.6	
42 1,1,1-Trichloroethane	97	11.846	11.867	-0.021	94	1430421	40.8	39.6	
43 Cyclohexane	84	11.985	12.006	-0.021	90	744432	40.6	38.2	
44 Carbon tetrachloride	117	12.124	12.145	-0.021	97	1587801	40.6	40.1	
45 Benzene	78	12.472	12.493	-0.021	94	1608002	41.3	37.3	
46 1,2-Dichloroethane	62	12.547	12.568	-0.021	99	722620	41.4	39.9	
47 Isooctane	57	12.691	12.712	-0.021	97	2021939	41.9	38.2	
48 n-Heptane	43	13.001	13.023	-0.022	82	624278	42.0	37.6	
* 49 1,4-Difluorobenzene	114	13.215	13.231	-0.016	92	582241	10.0	10.0	
50 n-Butanol	56	13.440	13.472	-0.032	84	299614	38.2	40.7	
51 Trichloroethene	95	13.649	13.665	-0.016	96	855988	42.1	40.0	
53 1,2-Dichloropropane	63	14.109	14.125	-0.016	87	470807	41.2	36.5	
55 Methyl methacrylate	69	14.194	14.216	-0.022	91	535646	40.6	40.3	
57 1,4-Dioxane	88	14.237	14.269	-0.032	86	318829	42.3	37.0	
56 Dibromomethane	174	14.264	14.280	-0.016	87	1013783	41.2	37.2	
58 Dichlorobromomethane	83	14.574	14.590	-0.016	98	1352780	42.3	41.5	
60 cis-1,3-Dichloropropene	75	15.382	15.393	-0.011	90	1041934	41.6	41.4	
61 4-Methyl-2-pentanone (MIBK)	43	15.644	15.665	-0.021	91	839870	41.0	40.2	
62 Toluene	92	16.024	16.035	-0.011	93	1281175	40.6	36.1	
63 n-Octane	43	16.281	16.291	-0.010	79	848017	41.3	37.4	
64 trans-1,3-Dichloropropene	75	16.441	16.452	-0.011	95	921770	39.5	41.2	
65 1,1,2-Trichloroethane	83	16.816	16.826	-0.010	94	619213	41.9	39.1	
66 Tetrachloroethene	166	17.019	17.030	-0.011	96	1519250	42.0	37.1	
67 2-Hexanone	43	17.233	17.254	-0.021	99	809015	40.0	40.8	
68 Chlorodibromomethane	129	17.559	17.565	-0.006	97	1690092	38.7	37.7	
69 Ethylene Dibromide	107	17.800	17.805	-0.005	99	1274380	42.4	41.8	
* 70 Chlorobenzene-d5	117	18.710	18.715	-0.005	81	521907	10.0	10.0	
72 Chlorobenzene	112	18.768	18.779	-0.011	98	1936909	42.0	38.0	
73 Ethylbenzene	91	18.966	18.972	-0.006	97	2864871	40.9	37.1	
74 m-Xylene & p-Xylene	106	19.234	19.234	0.000	0	2205418	82.2	76.1	
75 n-Nonane	57	19.298	19.298	0.000	79	929096	41.9	38.3	
76 o-Xylene	106	20.004	20.009	-0.005	98	1127441	41.4	37.0	
77 Styrene	104	20.042	20.047	-0.005	97	1707933	41.3	39.4	
S 78 Xylenes, Total	106				0		123.7	113.1	
79 Bromoform	173	20.389	20.395	-0.006	98	1687578	41.2	40.3	
80 Isopropylbenzene	105	20.710	20.716	-0.006	95	3374610	41.7	37.8	
81 1,1,2,2-Tetrachloroethane	83	21.229	21.234	-0.005	99	1533422	41.4	37.9	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	95	1177804	42.4	38.9	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	3741425	41.6	39.4	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	2402025	41.8	38.7	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	3247012	41.3	39.4	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	93	2773125	41.6	38.2	
87 n-Decane	57	21.764	21.764	0.000	93	1096912	41.7	38.3	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	1477004	40.8	41.2	
89 tert-Butylbenzene	119	22.214	22.213	0.001	93	2739655	41.4	36.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	97	2733886	41.6	39.4	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	3822969	41.8	37.1	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	96	2045952	42.3	44.4	
93 4-Isopropyltoluene	119	22.759	22.754	0.005	97	3507063	41.2	39.0	
94 1,4-Dichlorobenzene	146	22.856	22.855	0.001	96	1967728	41.9	47.0	
95 Benzyl chloride	91	23.000	23.000	0.000	100	2198030	42.3	52.7	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	2821107	41.6	43.0	
97 1,2-Dichlorobenzene	146	23.337	23.342	-0.005	99	1884538	41.8	39.8	
98 Undecane	57	23.460	23.460	0.000	88	1239883	41.8	40.2	
99 Dodecane	57	25.033	25.038	-0.005	96	1014861	37.4	47.2	
100 1,2,4-Trichlorobenzene	180	25.760	25.766	-0.006	94	1579770	43.4	66.1	
101 Hexachlorobutadiene	225	26.012	26.012	0.000	96	2197779	41.0	43.0	
102 Naphthalene	128	26.237	26.236	0.001	99	2886908	38.9	58.0	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	1362666	36.5	49.7	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL7w_00111

Amount Added: 200.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:22

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-014.d

Injection Date: 20-Oct-2021 20:55:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 14

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

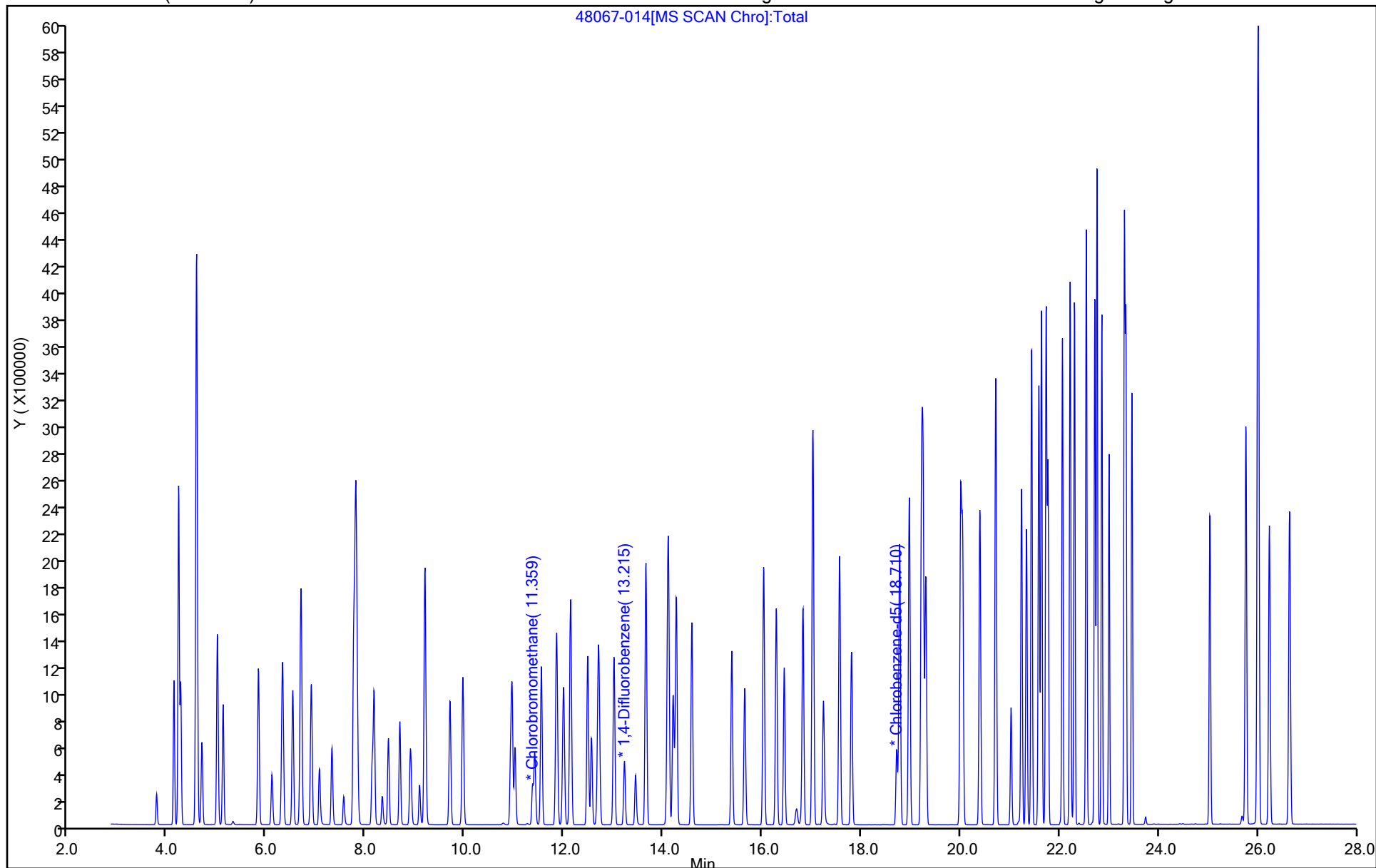
ALS Bottle#: 13

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 21-Oct-2021 09:19:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-021
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:23 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

First Level Reviewer: phamvu

Date: 21-Oct-2021 10:03:22

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	4.137	4.126	0.011	98	11315	0.4637	0.6131	
2 Dichlorodifluoromethane	85	4.222	4.217	0.005	99	41548	0.4691	0.5791	
3 Chlorodifluoromethane	51	4.276	4.265	0.011	97	21710	0.4709	0.5982	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.586	4.581	0.005	91	44661	0.4678	0.5712	
5 Chloromethane	50	4.704	4.693	0.011	98	12605	0.4907	0.6208	
6 Vinyl chloride	62	5.014	5.009	0.005	93	12149	0.4669	0.5849	
7 Butane	43	5.014	5.014	0.000	97	14647	0.4655	0.6085	
8 Butadiene	54	5.132	5.127	0.005	93	8274	0.4547	0.5498	
9 Bromomethane	94	5.854	5.843	0.011	99	14158	0.4633	0.5432	
10 Chloroethane	64	6.127	6.122	0.005	97	6414	0.4669	0.5539	
11 2-Methylbutane	43	6.330	6.336	-0.006	88	10878	0.4691	0.5625	
13 Vinyl bromide	106	6.550	6.544	0.006	99	13505	0.4682	0.5459	
14 Trichlorofluoromethane	101	6.705	6.705	0.000	97	30761	0.4745	0.5581	
15 Pentane	43	6.919	6.919	0.000	98	13440	0.4552	0.5432	
16 Ethanol	45	7.165	7.106	0.059	98	4051	0.8992	0.7385	M
18 Ethyl ether	59	7.389	7.352	0.037	92	5621	0.4529	0.5049	
19 Acrolein	56	7.619	7.582	0.037	90	2455	0.4367	0.4112	
20 1,1-Dichloroethene	96	7.775	7.775	0.000	93	10233	0.4619	0.5095	
21 112TCTFE	101	7.812	7.817	-0.005	94	21863	0.4713	0.5339	
22 Acetone	43	7.924	7.871	0.053	93	9334	0.4601	0.5243	
24 Isopropyl alcohol	45	8.235	8.176	0.059	98	8185	0.4592	0.4537	
23 Carbon disulfide	76	8.176	8.181	-0.005	98	25340	0.4565	0.5452	
25 Acetonitrile	41	8.395	8.363	0.032	97	2844	0.4448	0.4203	
26 3-Chloro-1-propene	41	8.481	8.475	0.006	92	4511	0.4785	0.4037	M
27 Methylene Chloride	49	8.705	8.705	0.000	80	6187	0.4619	0.5308	
28 2-Methyl-2-propanol	59	9.010	8.957	0.053	94	11152	0.4844	0.4976	
29 Acrylonitrile	53	9.139	9.112	0.027	92	2946	0.4543	0.4286	M
30 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	89	8845	0.4583	0.5140	
31 Methyl tert-butyl ether	73	9.278	9.235	0.043	95	19406	0.4696	0.5076	
32 Hexane	57	9.722	9.722	0.000	88	8257	0.4758	0.5193	
33 1,1-Dichloroethane	63	9.973	9.973	0.000	97	10668	0.4493	0.4874	

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	10.016	9.989	0.027	98	10423	0.4669	0.4586	
S 35 1,2-Dichloroethene, Total	61				0		0.9121	0.99	
37 2-Butanone (MEK)	72	10.990	10.952	0.038	97	2522	0.4646	0.4178	
36 cis-1,2-Dichloroethene	96	10.968	10.968	0.000	82	7823	0.4538	0.4807	
38 Ethyl acetate	88	11.075	11.038	0.037	97	316	0.4552	0.2622	
* 39 Chlorobromomethane	128	11.380	11.380	0.000	69	123771	10.0	10.0	
40 Tetrahydrofuran	42	11.477	11.439	0.038	80	4518	0.4489	0.4722	
41 Chloroform	83	11.557	11.562	-0.005	95	14988	0.4538	0.4790	
42 1,1,1-Trichloroethane	97	11.872	11.867	0.005	94	17498	0.4579	0.4921	
43 Cyclohexane	84	12.006	12.006	0.000	90	9490	0.4561	0.4936	
44 Carbon tetrachloride	117	12.145	12.145	0.000	98	19559	0.4565	0.5007	
45 Benzene	78	12.493	12.493	0.000	93	21873	0.4642	0.5142	M
46 1,2-Dichloroethane	62	12.568	12.568	0.000	98	8950	0.4655	0.5020	
47 Isooctane	57	12.707	12.712	-0.005	98	25589	0.4704	0.4908	
48 n-Heptane	43	13.023	13.023	0.000	82	7963	0.4722	0.4867	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	573787	10.0	10.0	
50 n-Butanol	56	13.509	13.472	0.037	96	2289	0.4291	0.3158	M
51 Trichloroethene	95	13.665	13.665	0.000	93	10096	0.4731	0.4792	
53 1,2-Dichloropropane	63	14.125	14.125	0.000	91	6709	0.4633	0.5277	
55 Methyl methacrylate	69	14.232	14.216	0.016	89	5124	0.4565	0.3910	
57 1,4-Dioxane	88	14.371	14.269	0.102	1	820	0.4754	0.0967	
56 Dibromomethane	174	14.274	14.280	-0.006	87	13349	0.4628	0.4970	
58 Dichlorobromomethane	83	14.590	14.590	0.000	98	15620	0.4749	0.4862	
60 cis-1,3-Dichloropropene	75	15.393	15.393	0.000	88	11678	0.4669	0.4704	
61 4-Methyl-2-pentanone (MIBK)	43	15.692	15.665	0.027	85	8609	0.4601	0.4184	
62 Toluene	92	16.035	16.035	0.000	93	15714	0.4565	0.5016	
63 n-Octane	43	16.291	16.291	0.000	79	10499	0.4642	0.4696	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	95	9070	0.4439	0.4119	
65 1,1,2-Trichloroethane	83	16.826	16.826	0.000	93	7050	0.4709	0.5041	
66 Tetrachloroethene	166	17.030	17.030	0.000	94	19417	0.4718	0.5364	
67 2-Hexanone	43	17.313	17.254	0.059	97	6688	0.4489	0.3818	M
68 Chlorodibromomethane	129	17.565	17.565	0.000	97	19138	0.4350	0.4840	
69 Ethylene Dibromide	107	17.811	17.805	0.006	99	13334	0.4767	0.4952	
* 70 Chlorobenzene-d5	117	18.715	18.715	0.000	82	460873	10.0	10.0	
72 Chlorobenzene	112	18.779	18.779	0.000	98	24021	0.4713	0.5331	
73 Ethylbenzene	91	18.972	18.972	0.000	97	34767	0.4592	0.5092	
74 m-Xylene & p-Xylene	106	19.234	19.234	0.000	0	17415	0.9238	0.6809	
75 n-Nonane	57	19.298	19.298	0.000	79	10116	0.4709	0.4717	
76 o-Xylene	106	20.009	20.009	0.000	98	13720	0.4655	0.5097	
77 Styrene	104	20.047	20.047	0.000	95	17074	0.4637	0.4466	
S 78 Xylenes, Total	106				0		1.39	1.19	
79 Bromoform	173	20.395	20.395	0.000	98	18890	0.4624	0.5107	
80 Isopropylbenzene	105	20.716	20.716	0.000	94	38975	0.4687	0.4949	
81 1,1,2,2-Tetrachloroethane	83	21.234	21.234	0.000	98	17366	0.4646	0.4855	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	96	13943	0.4758	0.5215	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	38395	0.4673	0.4575	
84 2-Chlorotoluene	91	21.582	21.582	0.000	95	27841	0.4691	0.5076	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	33164	0.4642	0.4553	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	94	30676	0.4669	0.4788	
87 n-Decane	57	21.764	21.764	0.000	90	8316	0.4682	0.3287	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	89	12431	0.4583	0.3928	
89 tert-Butylbenzene	119	22.213	22.213	0.000	95	32275	0.4655	0.4835	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,2,4-Trimethylbenzene	105	22.304	22.299	0.005	96	28224	0.4673	0.4604	
91 sec-Butylbenzene	105	22.540	22.540	0.000	99	42320	0.4700	0.4651	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	94	17706	0.4754	0.4355	
93 4-Isopropyltoluene	119	22.754	22.754	0.000	98	35779	0.4633	0.4502	
94 1,4-Dichlorobenzene	146	22.855	22.855	0.000	98	15333	0.4704	0.4151	
95 Benzyl chloride	91	23.000	23.000	0.000	98	13004	0.4754	0.3534	
96 n-Butylbenzene	91	23.310	23.310	0.000	98	21150	0.4669	0.3649	
97 1,2-Dichlorobenzene	146	23.342	23.342	0.000	99	19642	0.4691	0.4693	
98 Undecane	57	23.460	23.460	0.000	88	4217	0.4700	0.1550	
99 Dodecane	57	25.033	25.038	-0.005	1	162	0.4206	0.008530	M
100 1,2,4-Trichlorobenzene	180	25.760	25.766	-0.006	90	5392	0.4880	0.2555	
101 Hexachlorobutadiene	225	26.006	26.012	-0.006	93	17381	0.4610	0.3853	
102 Naphthalene	128	26.236	26.236	0.000	98	12072	0.4367	0.2746	
103 1,2,3-Trichlorobenzene	180	26.648	26.643	0.005	95	6463	0.4098	0.2668	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL3w_00240

Amount Added: 18.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Oct-2021 10:04:24

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d

Injection Date: 21-Oct-2021 09:19:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 21

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

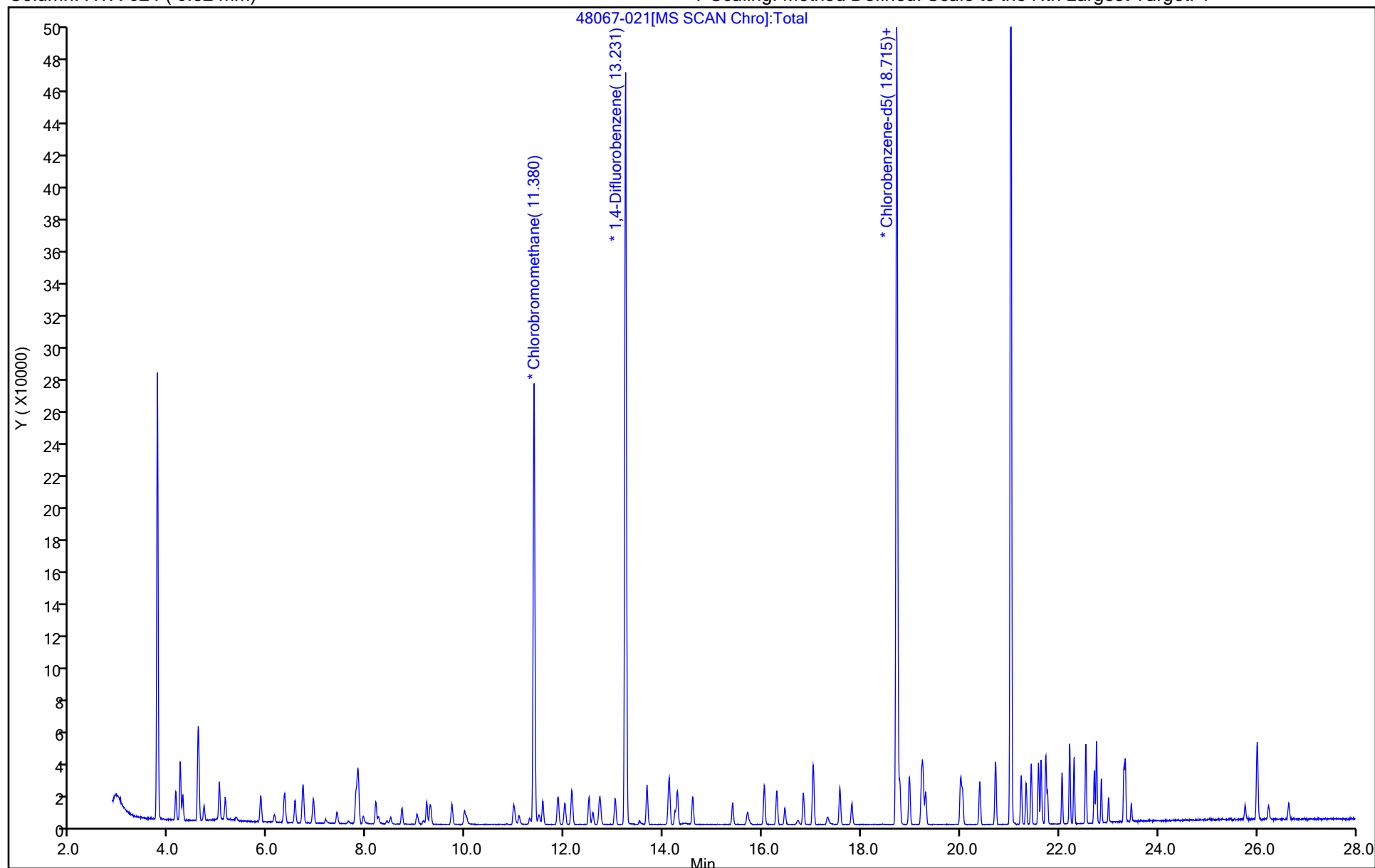
ALS Bottle#: 20

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

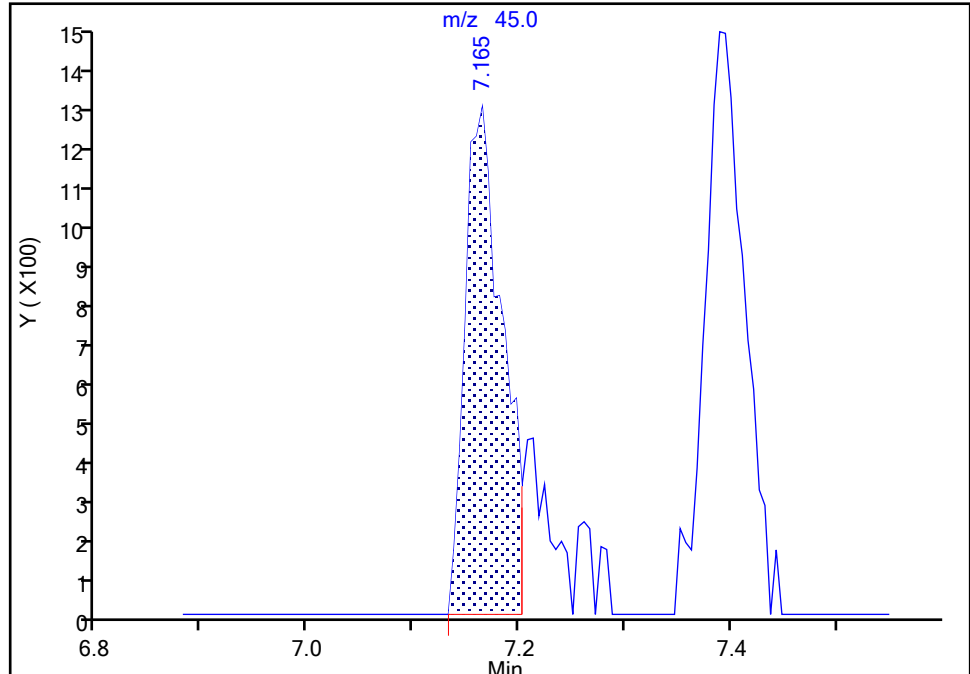
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Injection Date: 21-Oct-2021 09:19:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

16 Ethanol, CAS: 64-17-5

Signal: 1

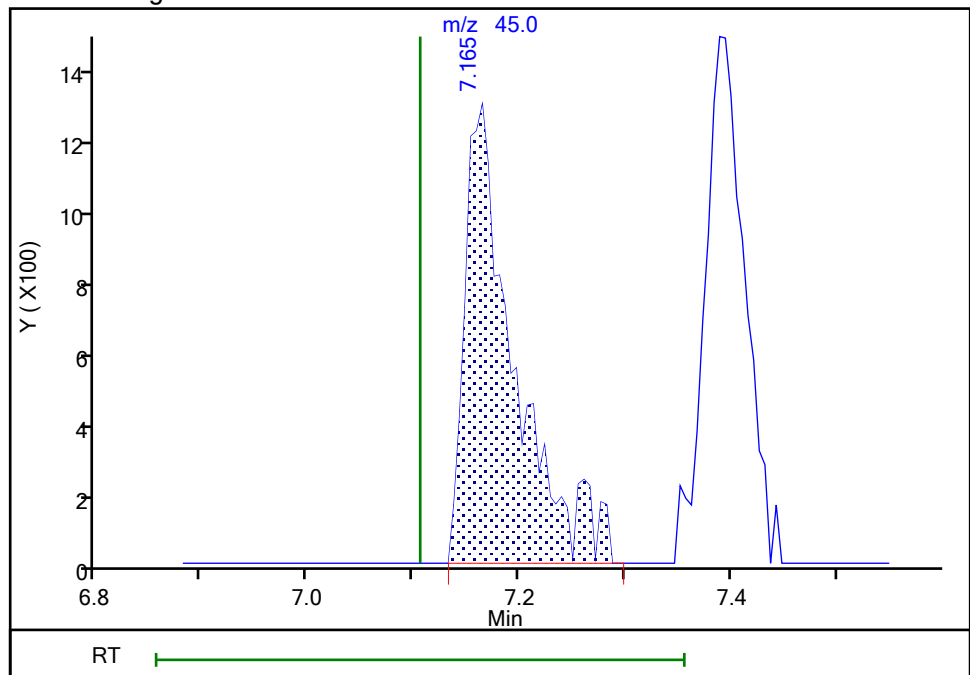
RT: 7.16
Area: 3067
Amount: 0.578320
Amount Units: ppb v/v

Processing Integration Results



RT: 7.16
Area: 4051
Amount: 0.738469
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:55:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

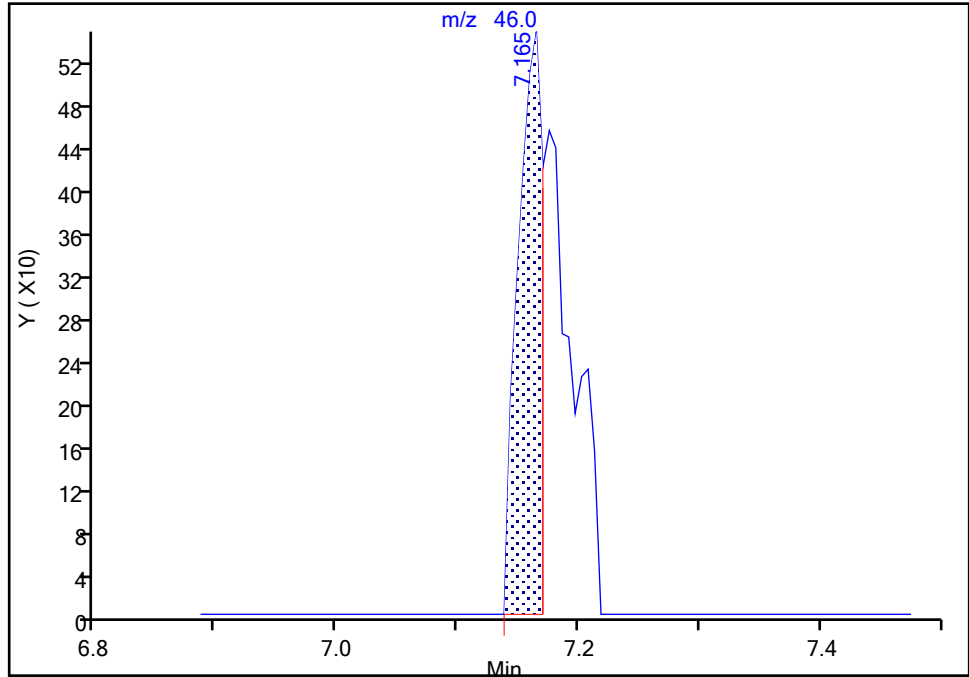
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Injection Date: 21-Oct-2021 09:19:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

16 Ethanol, CAS: 64-17-5

Signal: 2

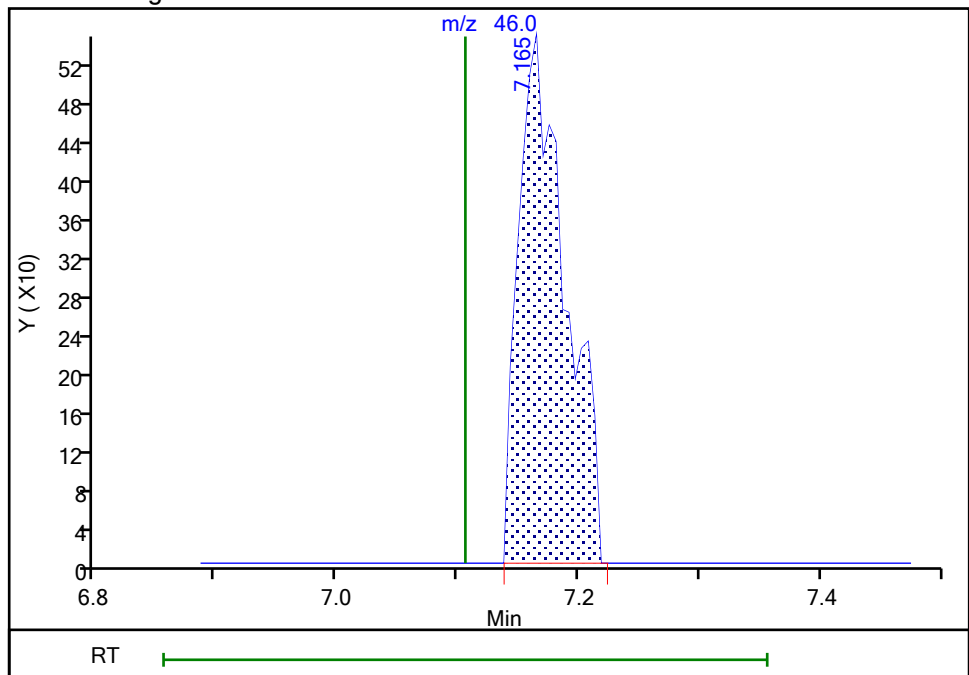
RT: 7.16
Area: 768
Amount: 0.578320
Amount Units: ppb v/v

Processing Integration Results



RT: 7.16
Area: 1471
Amount: 0.738469
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:55:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 149 of 356

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d

Injection Date: 21-Oct-2021 09:19:30

Instrument ID: CHW.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

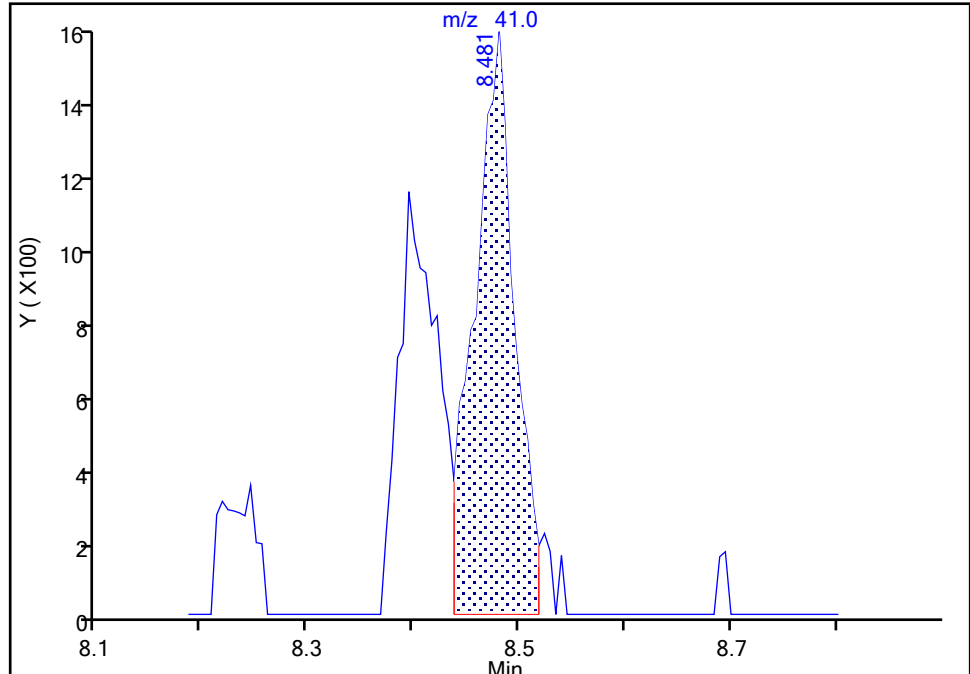
MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

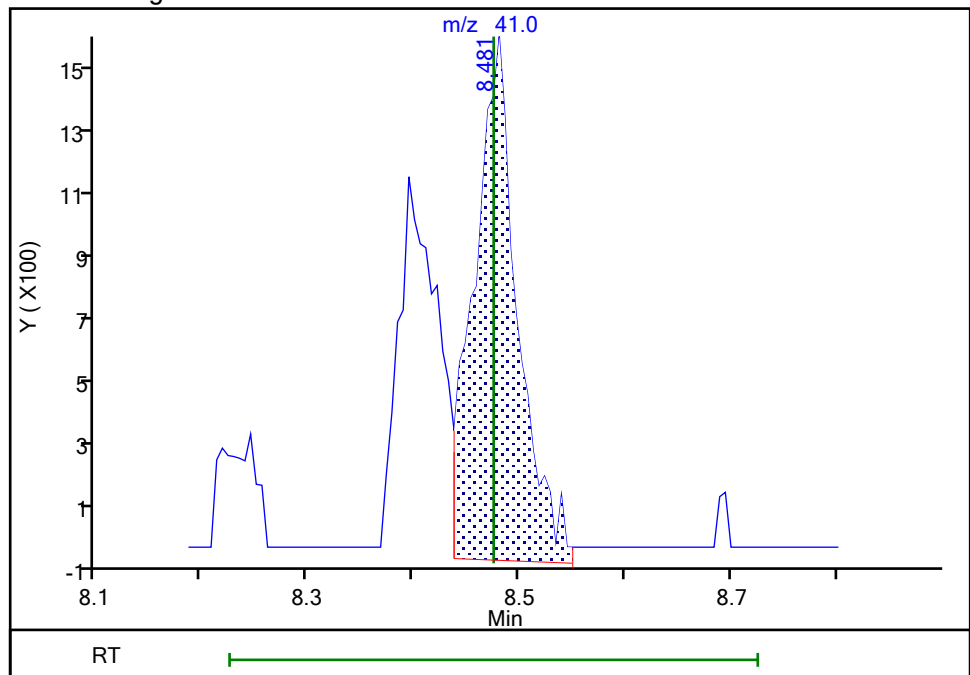
RT: 8.48
Area: 4051
Amount: 0.367070
Amount Units: ppb v/v

Processing Integration Results



RT: 8.48
Area: 4511
Amount: 0.403728
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:56:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

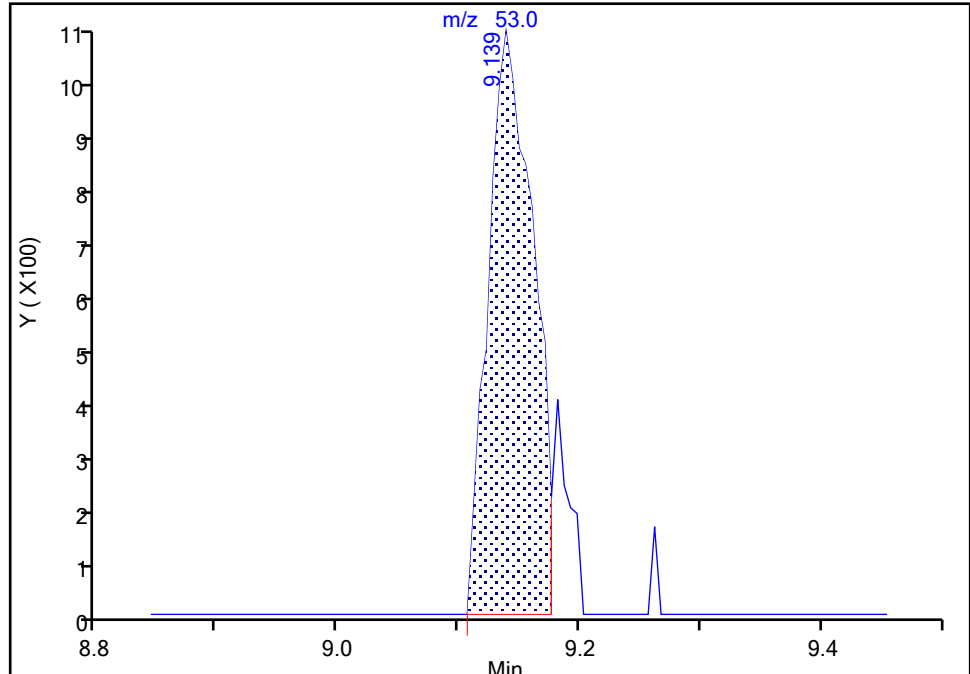
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Injection Date: 21-Oct-2021 09:19:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

29 Acrylonitrile, CAS: 107-13-1

Signal: 1

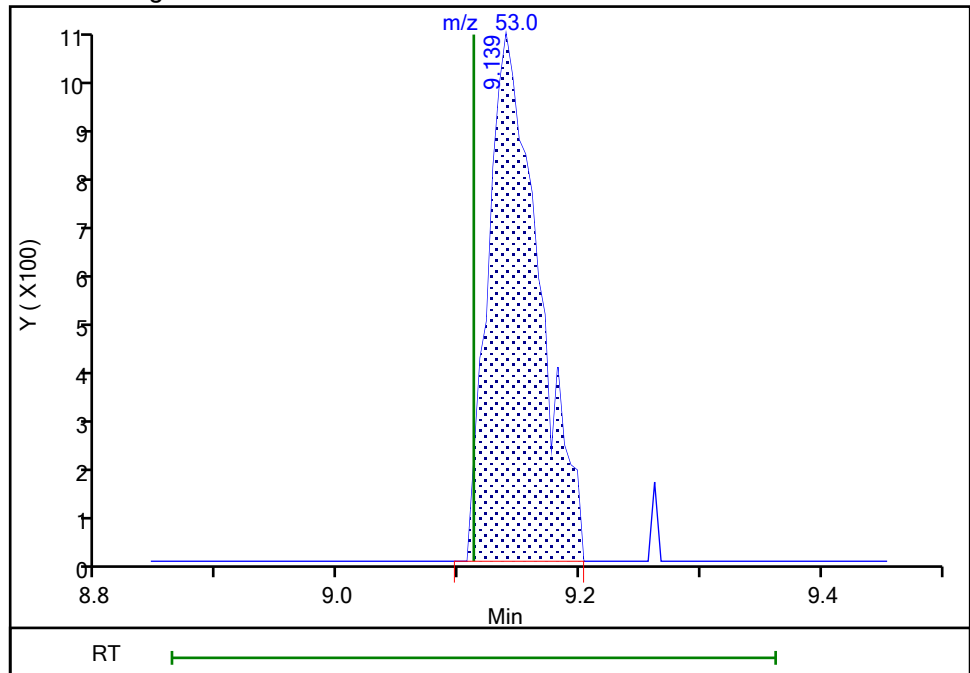
RT: 9.14
Area: 2638
Amount: 0.390184
Amount Units: ppb v/v

Processing Integration Results



RT: 9.14
Area: 2946
Amount: 0.428577
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:56:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d

Injection Date: 21-Oct-2021 09:19:30

Instrument ID: CHW.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

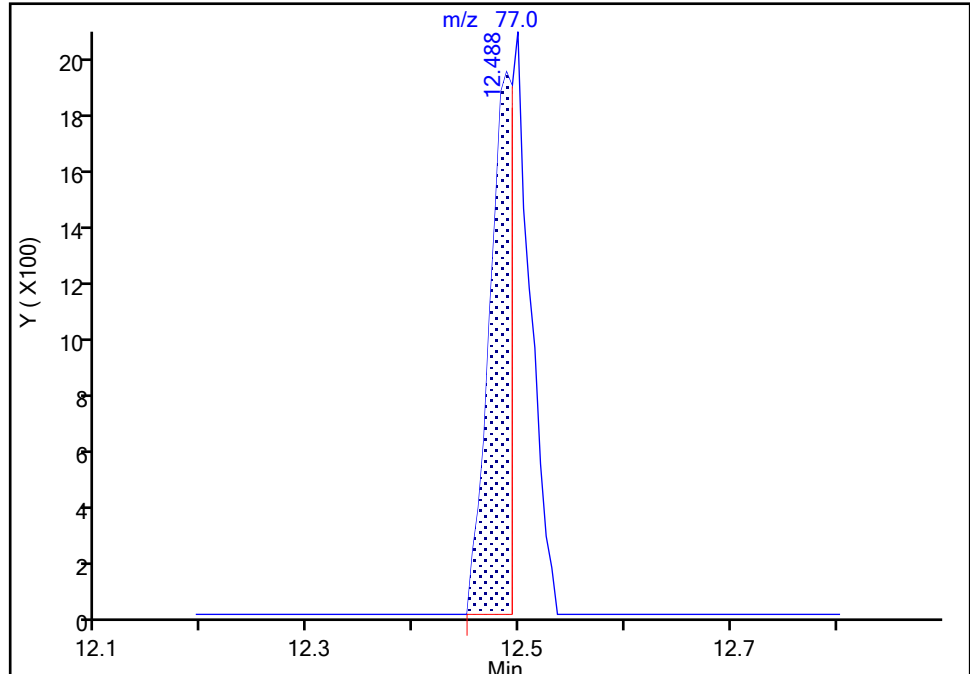
Detector: MS SCAN

45 Benzene, CAS: 71-43-2

Signal: 2

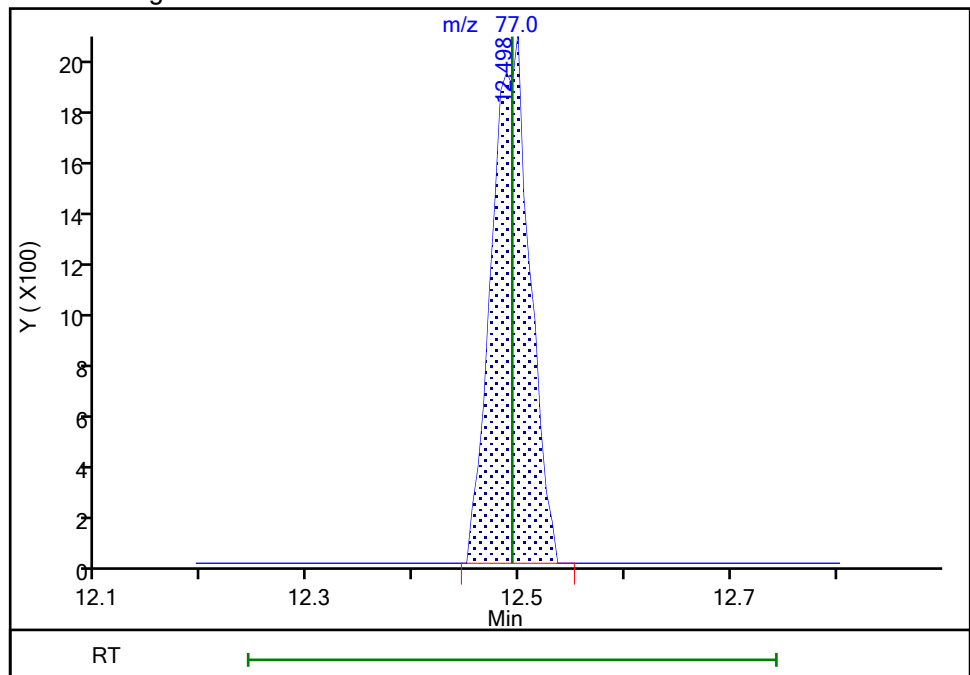
RT: 12.49
Area: 2950
Amount: 0.514197
Amount Units: ppb v/v

Processing Integration Results



RT: 12.50
Area: 5023
Amount: 0.514197
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:56:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

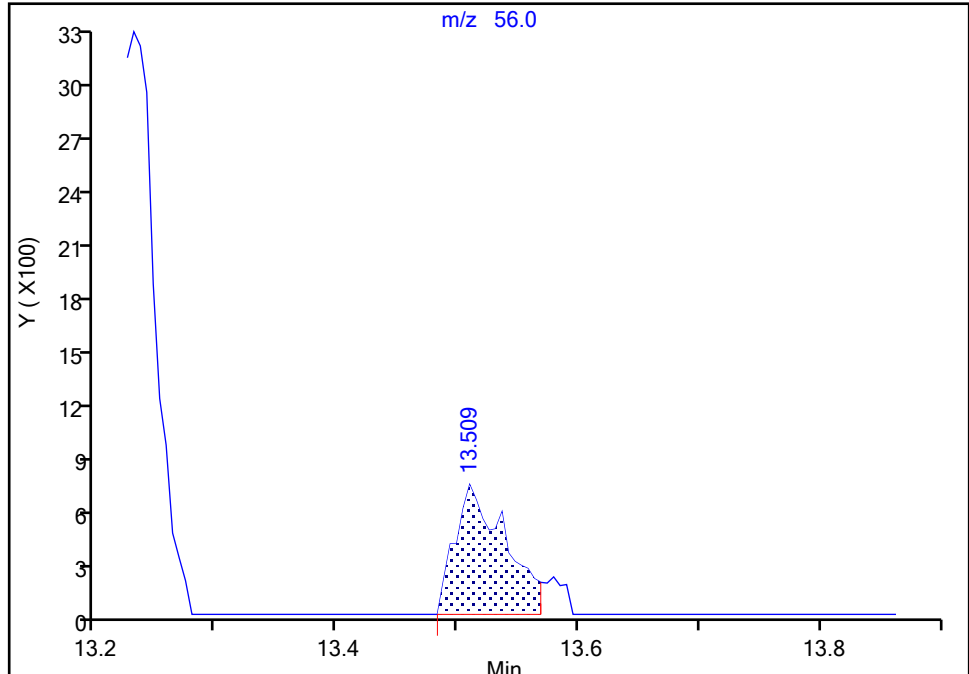
Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
Injection Date: 21-Oct-2021 09:19:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

50 n-Butanol, CAS: 71-36-3

Signal: 1

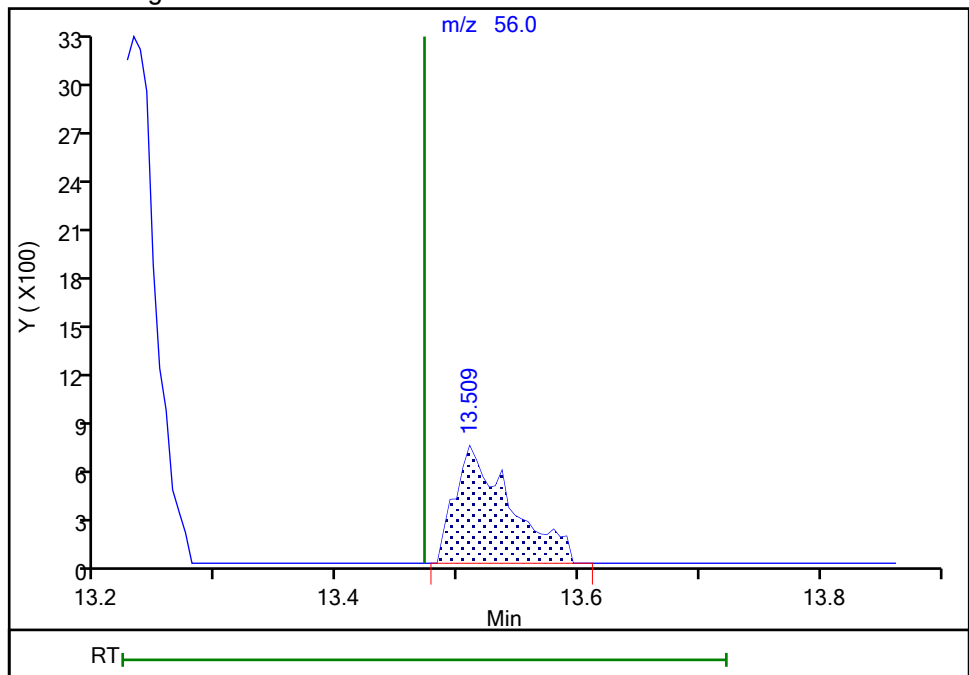
RT: 13.51
Area: 2064
Amount: 0.288198
Amount Units: ppb v/v

Processing Integration Results



RT: 13.51
Area: 2289
Amount: 0.315762
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:57:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins TestAmerica, Burlington

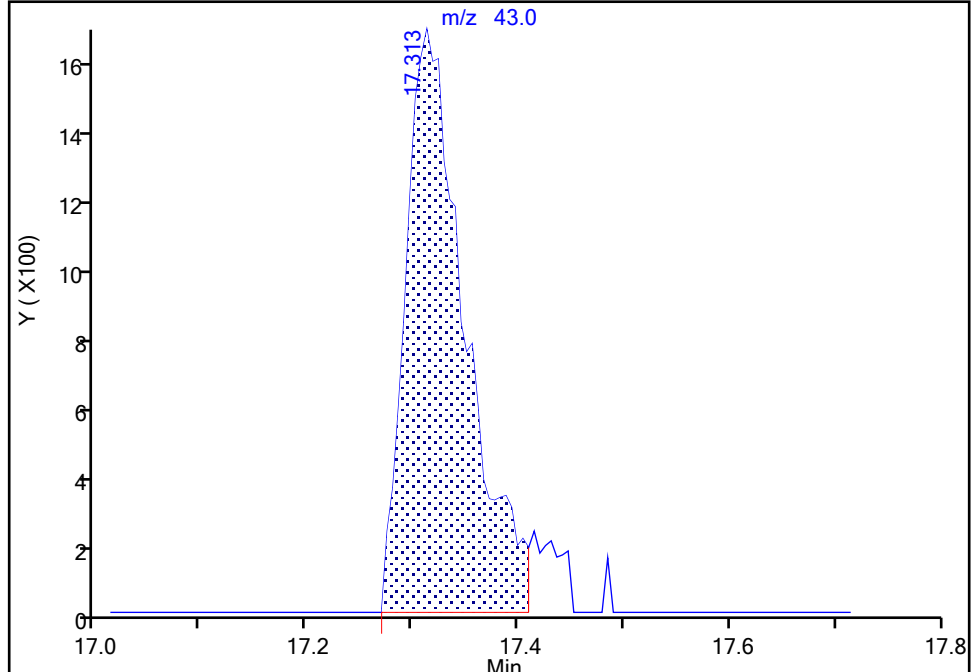
Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
Injection Date: 21-Oct-2021 09:19:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

67 2-Hexanone, CAS: 591-78-6

Signal: 1

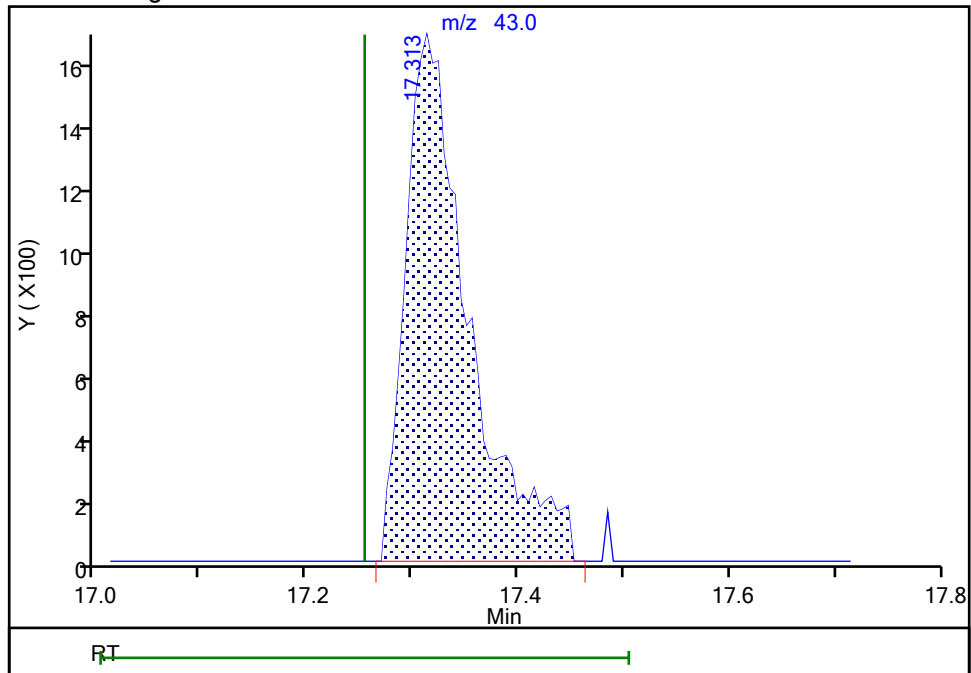
RT: 17.31
Area: 6286
Amount: 0.361923
Amount Units: ppb v/v

Processing Integration Results



RT: 17.31
Area: 6688
Amount: 0.381787
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 21-Oct-2021 09:57:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d

Injection Date: 21-Oct-2021 09:19:30

Instrument ID: CHW.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

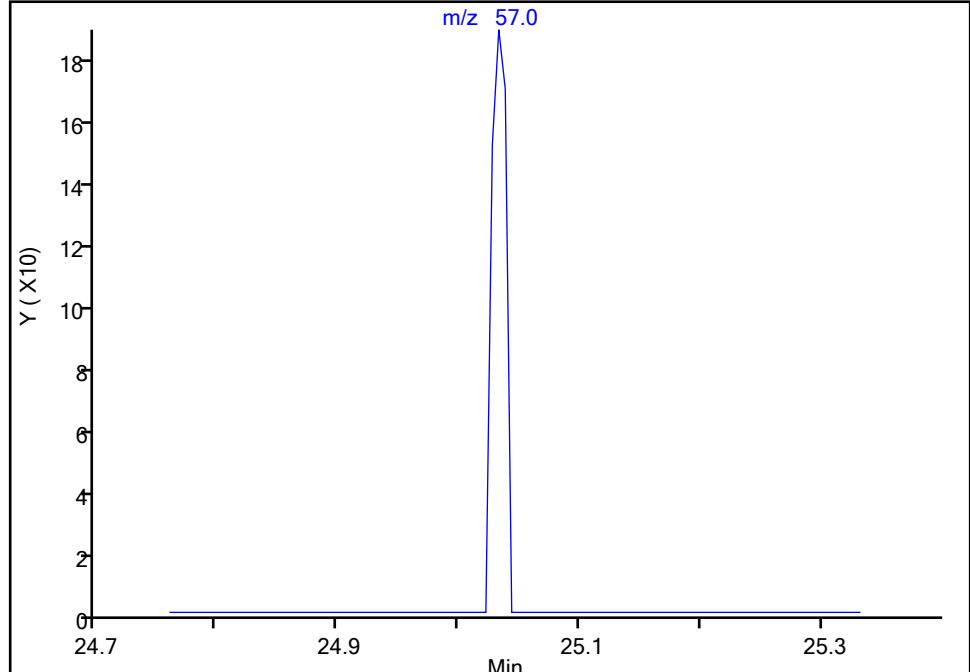
99 Dodecane, CAS: 112-40-3

Signal: 1

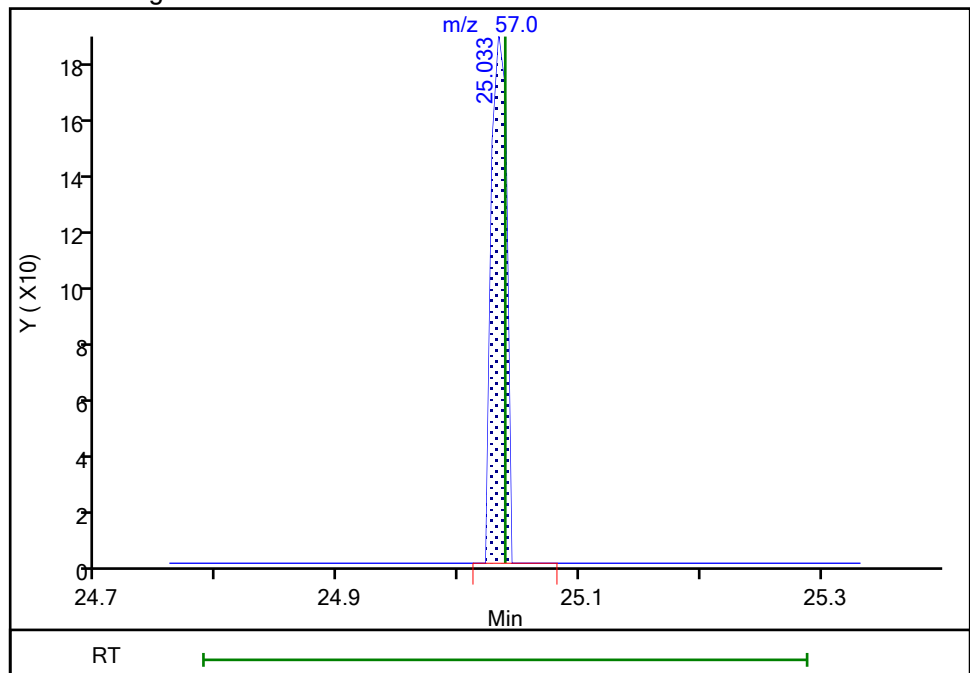
Not Detected

Expected RT: 25.04

Processing Integration Results



Manual Integration Results



RT: 25.03

Area: 162

Amount: 0.008530

Amount Units: ppb v/v

Reviewer: phamvu, 21-Oct-2021 09:57:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Lab Sample ID: ICV 200-172945/2 Calibration Date: 10/21/2021 11:49
 Instrument ID: CHW.i Calib Start Date: 10/20/2021 11:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/21/2021 09:19
 Lab File ID: 48089-002.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
Propylene	Ave	1.491	1.585		10.8	10.1	6.3	30.0
Dichlorodifluoromethane	Ave	5.796	6.095		11.1	10.6	5.2	30.0
Freon 22	Ave	2.932	3.040		11.0	10.6	3.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	6.318	6.529		10.9	10.6	3.3	30.0
Chloromethane	Ave	1.640	1.869		11.3	9.94	13.9	30.0
Vinyl chloride	Ave	1.678	1.847		11.0	9.99	10.1	30.0
n-Butane	Ave	1.945	2.036		10.8	10.3	4.7	30.0
1,3-Butadiene	Ave	1.216	1.244		9.92	9.70	2.3	30.0
Bromomethane	Ave	2.106	2.146		10.6	10.4	1.9	30.0
Chloroethane	Ave	0.9356	0.9283		10.5	10.6	-0.8	30.0
Isopentane	Ave	1.562	1.512		10.1	10.4	-3.2	30.0
Bromoethene (Vinyl Bromide)	Ave	1.999	2.119		10.6	10.0	6.0	30.0
Trichlorofluoromethane	Ave	4.453	4.584		10.7	10.4	2.9	30.0
n-Pentane	Ave	1.999	1.973		10.1	10.2	-1.3	30.0
Ethanol	Ave	0.4432	0.5084		16.8	14.7	14.7	30.0
Ethyl ether	Ave	0.8995	0.9014		10.2	10.2	0.2	30.0
Acrolein	Ave	0.4824	0.4985		10.0	9.71	3.3	30.0
1,1-Dichloroethene	Ave	1.623	1.596		10.0	10.2	-1.6	30.0
Freon TF	Ave	3.309	3.208		10.4	10.7	-3.1	30.0
Acetone	Ave	1.438	1.427		10.3	10.4	-0.8	30.0
Isopropyl alcohol	Ave	1.458	1.505		10.5	10.2	3.3	30.0
Carbon disulfide	Ave	3.755	3.590		9.90	10.4	-4.4	30.0
Acetonitrile	Ave	0.5467	0.5473		9.73	9.72	0.1	30.0
3-Chloropropene	Ave	0.9027	0.9728		11.6	10.7	7.8	30.0
Methylene Chloride	Ave	0.9417	0.9145		9.95	10.2	-2.9	30.0
tert-Butyl alcohol	Ave	1.811	1.849		11.0	10.8	2.1	30.0
Acrylonitrile	Ave	0.5554	0.5437		9.97	10.2	-2.1	30.0
trans-1,2-Dichloroethene	Ave	1.390	1.400		10.4	10.3	0.7	30.0
Methyl tert-butyl ether	Ave	3.089	3.078		10.5	10.6	-0.4	30.0
n-Hexane	Ave	1.285	1.278		10.4	10.5	-0.5	30.0
1,1-Dichloroethane	Ave	1.769	1.646		9.56	10.3	-6.9	30.0
Vinyl acetate	Ave	1.836	1.916		10.5	10.1	4.3	30.0
Methyl Ethyl Ketone	Ave	0.4878	0.4924		10.5	10.4	0.9	30.0
cis-1,2-Dichloroethene	Ave	1.315	1.245		9.82	10.4	-5.3	30.0
Ethyl acetate	Ave	0.0974	0.1022		10.7	10.2	5.0	30.0
Tetrahydrofuran	Ave	0.1668	0.1636		9.62	9.81	-1.9	30.0
Chloroform	Ave	2.528	2.399		9.79	10.3	-5.1	30.0
1,1,1-Trichloroethane	Ave	0.6197	0.5963		9.93	10.3	-3.8	30.0
Cyclohexane	Ave	0.3351	0.3250		9.91	10.2	-3.0	30.0
Carbon tetrachloride	Ave	0.6808	0.6722		9.92	10.0	-1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Lab Sample ID: ICV 200-172945/2 Calibration Date: 10/21/2021 11:49
 Instrument ID: CHW.i Calib Start Date: 10/20/2021 11:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/21/2021 09:19
 Lab File ID: 48089-002.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
Benzene	Ave	0.7414	0.6901		9.67	10.4	-6.9	30.0
1,2-Dichloroethane	Ave	0.3107	0.3035		10.2	10.5	-2.3	30.0
2,2,4-Trimethylpentane	Ave	0.9087	0.9076		10.1	10.1	-0.1	30.0
n-Heptane	Ave	0.2851	0.2759		9.97	10.3	-3.2	30.0
n-Butanol	Ave	0.1263	0.1378		9.93	9.11	9.0	30.0
Trichloroethene	Ave	0.3672	0.3651		10.2	10.3	-0.6	30.0
1,2-Dichloropropane	Ave	0.2216	0.2126		9.93	10.3	-4.1	30.0
Methyl methacrylate	Ave	0.2284	0.2310		10.3	10.2	1.1	30.0
1,4-Dioxane	Ave	0.1478	0.1573		11.0	10.3	6.4	30.0
Dibromomethane	Ave	0.4681	0.4558		10.1	10.3	-2.6	30.0
Bromodichloromethane	Ave	0.5599	0.5562		10.2	10.3	-0.7	30.0
cis-1,3-Dichloropropene	Ave	0.4327	0.4475		10.3	9.94	3.4	30.0
methyl isobutyl ketone	Ave	0.3586	0.3677		10.4	10.2	2.5	30.0
Toluene	Ave	0.6797	0.6494		9.74	10.2	-4.5	30.0
n-Octane	Ave	0.3897	0.3815		10.1	10.3	-2.1	30.0
trans-1,3-Dichloropropene	Ave	0.3838	0.3937		10.1	9.85	2.6	30.0
1,1,2-Trichloroethane	Ave	0.3035	0.2864		9.90	10.5	-5.6	30.0
Tetrachloroethene	Ave	0.7854	0.7458		9.94	10.5	-5.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3801	0.3818		10.2	10.1	0.5	30.0
Dibromochloromethane	Ave	0.8579	0.7994		9.88	10.6	-6.8	30.0
1,2-Dibromoethane	Ave	0.5842	0.5700		10.4	10.7	-2.4	30.0
Chlorobenzene	Ave	0.9777	0.9350		10.0	10.5	-4.4	30.0
Ethylbenzene	Ave	1.482	1.455		10.0	10.2	-1.8	30.0
m,p-Xylene	Ave	0.5550	0.6029		21.7	20.0	8.6	30.0
n-Nonane	Ave	0.4654	0.4819		10.8	10.5	3.6	30.0
Xylene, o-	Ave	0.5841	0.5850		10.4	10.4	0.2	30.0
Styrene	Ave	0.8296	0.8895		11.0	10.3	7.2	30.0
Bromoform	Ave	0.8025	0.9062		11.6	10.3	12.9	30.0
Cumene	Ave	1.709	1.747		10.7	10.5	2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7762	0.7515		10.0	10.3	-3.2	30.0
1,2,3-Trichloropropane	Ave	0.5801	0.5588		10.2	10.6	-3.7	30.0
n-Propylbenzene	Ave	1.821	1.907		10.8	10.4	4.7	30.0
2-Chlorotoluene	Ave	1.190	1.213		10.6	10.4	1.9	30.0
4-Ethyltoluene	Ave	1.581	1.692		11.0	10.2	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.390	1.445		10.9	10.5	4.0	30.0
n-Decane	Ave	0.5489	0.5881		11.1	10.3	7.1	30.0
Alpha Methyl Styrene	Ave	0.6867	0.7814		11.6	10.2	13.8	30.0
tert-Butylbenzene	Ave	1.448	1.507		10.8	10.4	4.1	30.0
1,2,4-Trimethylbenzene	Ave	1.330	1.438		11.3	10.4	8.1	30.0
sec-Butylbenzene	Ave	1.974	2.082		11.0	10.5	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Lab Sample ID: ICV 200-172945/2 Calibration Date: 10/21/2021 11:49
 Instrument ID: CHW.i Calib Start Date: 10/20/2021 11:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/21/2021 09:19
 Lab File ID: 48089-002.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
1,3-Dichlorobenzene	Ave	0.8822	1.028		11.9	10.2	16.5	30.0
4-Isopropyltoluene	Ave	1.724	1.831		11.1	10.5	6.2	30.0
1,4-Dichlorobenzene	Ave	0.8015	0.9245		12.0	10.4	15.3	30.0
Benzyl chloride	Ave	0.7984	0.9582		12.2	10.2	20.0	30.0
n-Butylbenzene	Ave	1.257	1.450		12.1	10.5	15.3	30.0
1,2-Dichlorobenzene	Ave	0.9081	0.9441		11.2	10.8	4.0	30.0
n-Undecane	Ave	0.5905	0.5918		10.7	10.7	0.2	30.0
n-Dodecane	Ave	0.4121	0.3500		9.03	10.6	-15.1	30.0
1,2,4-Trichlorobenzene	Ave	0.4578	0.4912		11.8	11.0	7.3	30.0
Hexachlorobutadiene	Ave	0.9789	1.042		11.5	10.8	6.5	30.0
Naphthalene	Ave	0.9540	0.9915		10.9	10.5	3.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5255	0.4750		9.81	10.9	-9.6	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\48089-002.d
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 21-Oct-2021 11:49:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048089-002
 Operator ID: vtp Instrument ID: CHW.i
 Sublist:
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Oct-2021 11:21:29 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1608

First Level Reviewer: puangmaleek

Date: 22-Oct-2021 11:23:05

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	4.126	4.123	0.005	99	190501	10.1	10.8	
2 Dichlorodifluoromethane	85	4.217	4.214	0.005	99	765063	10.6	11.1	
3 Chlorodifluoromethane	51	4.265	4.262	0.005	97	381576	10.6	11.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.581	4.578	0.005	99	820299	10.6	10.9	
5 Chloromethane	50	4.699	4.695	0.006	99	220402	9.94	11.3	
6 Vinyl chloride	62	5.009	5.006	0.005	98	218961	9.99	11.0	
7 Butane	43	5.014	5.011	0.005	97	248761	10.3	10.8	
8 Butadiene	54	5.127	5.124	0.006	92	143167	9.70	9.92	
9 Bromomethane	94	5.843	5.841	0.005	99	264724	10.4	10.6	
10 Chloroethane	64	6.122	6.119	0.006	98	116406	10.6	10.5	
12 BFB									
11 2-Methylbutane	43	6.336	6.333	0.006	89	187415	10.4	10.1	
13 Vinyl bromide	106	6.539	6.542	0.000	100	252606	10.0	10.6	
14 Trichlorofluoromethane	101	6.705	6.703	0.006	98	566136	10.4	10.7	
15 Pentane	43	6.919	6.917	0.006	98	239040	10.2	10.1	
16 Ethanol	45	7.106	7.104	0.005	98	88555	14.7	16.8	
18 Ethyl ether	59	7.352	7.356	0.000	92	109398	10.2	10.2	
19 Acrolein	56	7.582	7.586	0.000	95	57426	9.71	10.0	
20 1,1-Dichloroethene	96	7.775	7.773	0.006	92	192958	10.2	10.0	
21 112TCTFE	101	7.817	7.816	0.005	93	406431	10.7	10.4	
22 Acetone	43	7.871	7.875	0.000	96	176586	10.4	10.3	
24 Isopropyl alcohol	45	8.176	8.180	0.000	99	181601	10.2	10.5	
23 Carbon disulfide	76	8.181	8.180	0.005	99	441234	10.4	9.90	
25 Acetonitrile	41	8.363	8.362	0.005	98	63108	9.72	9.73	
26 3-Chloro-1-propene	41	8.475	8.474	0.005	96	123841	10.7	11.6	
27 Methylene Chloride	49	8.705	8.704	0.005	80	111211	10.2	9.95	
28 2-Methyl-2-propanol	59	8.957	8.961	0.000	93	236966	10.8	11.0	
29 Acrylonitrile	53	9.112	9.111	0.005	94	65731	10.2	9.97	
30 trans-1,2-Dichloroethene	61	9.208	9.207	0.005	91	171563	10.3	10.4	
31 Methyl tert-butyl ether	73	9.230	9.234	0.000	95	385569	10.6	10.5	
32 Hexane	57	9.722	9.721	0.005	89	158727	10.5	10.4	

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	9.973	9.973	0.005	99	200588	10.3	9.56	
34 Vinyl acetate	43	9.989	9.994	0.000	99	228859	10.1	10.5	
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.2	
37 2-Butanone (MEK)	72	10.952	10.952	0.005	96	60514	10.4	10.5	
36 cis-1,2-Dichloroethene	96	10.968	10.974	0.000	85	153228	10.4	9.82	
38 Ethyl acetate	88	11.043	11.043	0.005	99	12378	10.2	10.7	
* 39 Chlorobromomethane	128	11.380	11.380	0.000	74	118660	10.0	10.0	
40 Tetrahydrofuran	42	11.445	11.439	0.006	79	88911	9.81	9.62	
41 Chloroform	83	11.557	11.562	0.000	95	293664	10.3	9.79	
42 1,1,1-Trichloroethane	97	11.867	11.862	0.005	94	340960	10.3	9.93	
43 Cyclohexane	84	12.006	12.001	0.005	90	184028	10.2	9.91	
44 Carbon tetrachloride	117	12.151	12.145	0.006	97	374274	10.0	9.92	
45 Benzene	78	12.493	12.493	0.000	94	397227	10.4	9.67	
46 1,2-Dichloroethane	62	12.568	12.568	0.000	99	175874	10.5	10.2	
47 Isooctane	57	12.712	12.712	0.000	98	509891	10.1	10.1	
48 n-Heptane	43	13.023	13.023	0.000	82	157579	10.3	9.97	
* 49 1,4-Difluorobenzene	114	13.237	13.231	0.006	92	554140	10.0	10.0	
50 n-Butanol	56	13.477	13.478	0.000	83	69529	9.11	9.93	
51 Trichloroethene	95	13.665	13.665	0.000	95	208116	10.3	10.2	
A 52 GRO	1	14.050	(6.320-21.774)		0	62022194	649.9	0	
53 1,2-Dichloropropane	63	14.119	14.125	-0.006	89	121891	10.3	9.93	
55 Methyl methacrylate	69	14.221	14.216	0.005	91	130661	10.2	10.3	
57 1,4-Dioxane	88	14.275	14.269	0.006	84	89702	10.3	11.0	
56 Dibromomethane	174	14.280	14.280	0.000	87	261102	10.3	10.1	
58 Dichlorobromomethane	83	14.590	14.590	0.000	98	317114	10.3	10.2	
A 59 TVOC as Toluene	1	15.385	(4.111-26.653)		0	99422964	899.8	0	
60 cis-1,3-Dichloropropene	75	15.393	15.393	0.000	89	246438	9.94	10.3	
61 4-Methyl-2-pentanone (MIBK)	43	15.665	15.666	0.000	91	207564	10.2	10.4	
62 Toluene	92	16.035	16.035	0.000	93	322048	10.2	9.74	
63 n-Octane	43	16.291	16.291	0.000	80	217677	10.3	10.1	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	94	214824	9.85	10.1	
65 1,1,2-Trichloroethane	83	16.826	16.826	0.000	94	146054	10.5	9.90	
66 Tetrachloroethene	166	17.030	17.030	0.000	95	379664	10.5	9.94	
67 2-Hexanone	43	17.254	17.249	0.005	98	187678	10.1	10.2	
68 Chlorodibromomethane	129	17.570	17.565	0.005	97	411986	10.6	9.88	
69 Ethylene Dibromide	107	17.805	17.805	0.000	99	295434	10.7	10.4	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	82	486287	10.0	10.0	
72 Chlorobenzene	112	18.779	18.779	0.000	98	477329	10.5	10.0	
73 Ethylbenzene	91	18.972	18.972	0.000	97	723529	10.2	10.0	
74 m-Xylene & p-Xylene	106	19.239	19.234	0.005	0	586255	20.0	21.7	
75 n-Nonane	57	19.303	19.298	0.005	79	245310	10.5	10.8	
76 o-Xylene	106	20.009	20.010	0.000	99	294969	10.4	10.4	
77 Styrene	104	20.047	20.047	0.000	97	444581	10.3	11.0	
S 78 Xylenes, Total	106				0		30.0	32.1	
79 Bromoform	173	20.395	20.395	0.000	98	453787	10.3	11.6	
80 Isopropylbenzene	105	20.716	20.716	0.000	95	888699	10.5	10.7	
81 1,1,2,2-Tetrachloroethane	83	21.234	21.235	-0.001	98	378153	10.3	10.0	
82 1,2,3-Trichloropropane	75	21.336	21.331	0.005	95	289094	10.6	10.2	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	960336	10.4	10.8	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	615017	10.4	10.6	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	843413	10.2	11.0	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	94	737204	10.5	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
87 n-Decane	57	21.764	21.764	0.000	92	295646	10.3	11.1	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	385986	10.2	11.6	
89 tert-Butylbenzene	119	22.213	22.214	-0.001	94	762194	10.4	10.8	
90 1,2,4-Trimethylbenzene	105	22.304	22.305	0.000	96	729956	10.4	11.3	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	1058897	10.5	11.0	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	94	508419	10.2	11.9	
93 4-Isopropyltoluene	119	22.759	22.759	0.000	97	934726	10.5	11.1	
94 1,4-Dichlorobenzene	146	22.855	22.856	-0.001	97	467479	10.4	12.0	
95 Benzyl chloride	91	23.000	23.000	0.000	100	473306	10.2	12.2	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	741152	10.5	12.1	
97 1,2-Dichlorobenzene	146	23.342	23.342	0.000	99	493897	10.8	11.2	
98 Undecane	57	23.460	23.460	0.000	89	308421	10.7	10.7	
99 Dodecane	57	25.038	25.033	0.005	95	181034	10.6	9.03	
100 1,2,4-Trichlorobenzene	180	25.766	25.766	0.000	94	262223	11.0	11.8	
101 Hexachlorobutadiene	225	26.006	26.012	-0.006	94	549756	10.8	11.5	
102 Naphthalene	128	26.236	26.237	0.000	99	506161	10.5	10.9	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	250779	10.9	9.81	

QC Flag Legend

Processing Flags

Reagents:

ATTO15LCSW_00831

Amount Added: 200.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 22-Oct-2021 11:23:05

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\48089-002.d

Injection Date: 21-Oct-2021 11:49:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: ICV

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

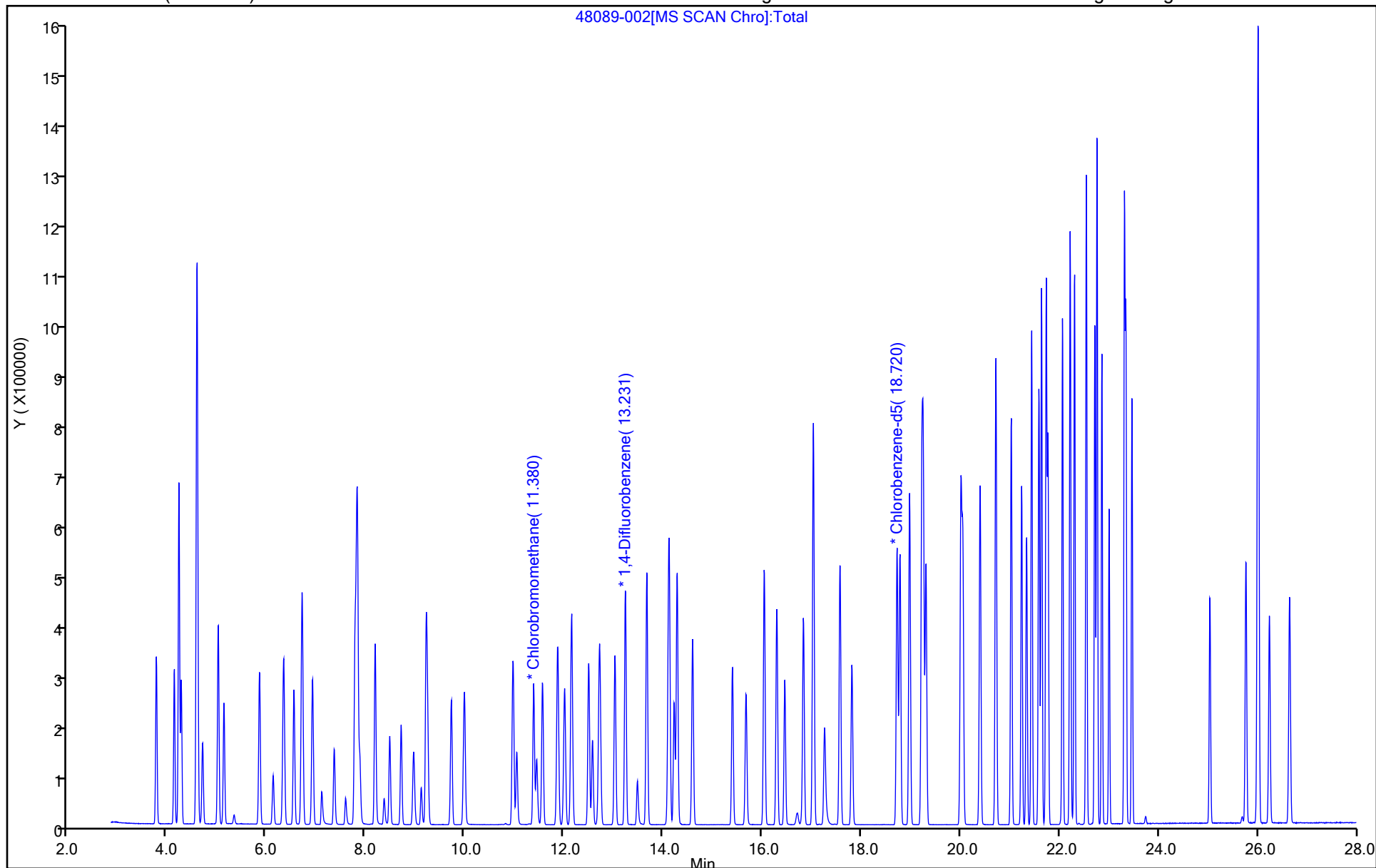
ALS Bottle#: 1

Method: TO15_TO3_MasterMethod_W

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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1

SDG No.: 200-60507-1

Lab Sample ID: CCVIS 200-173045/2 Calibration Date: 10/25/2021 08:24

Instrument ID: CHW.i Calib Start Date: 10/20/2021 11:14

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/21/2021 09:19

Lab File ID: 48130-002.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
Propylene	Ave	1.491	1.986		13.7	10.3	33.2*	30.0
Dichlorodifluoromethane	Ave	5.796	7.182		12.9	10.4	23.9	30.0
Freon 22	Ave	2.932	3.830		13.7	10.5	30.6*	30.0
1,2-Dichlorotetrafluoroethane	Ave	6.318	7.892		13.0	10.4	24.9	30.0
Chloromethane	Ave	1.640	2.123		14.1	10.9	29.4	30.0
Vinyl chloride	Ave	1.678	2.067		12.8	10.4	23.1	30.0
n-Butane	Ave	1.945	2.399		12.8	10.4	23.3	30.0
1,3-Butadiene	Ave	1.216	1.380		11.5	10.1	13.5	30.0
Bromomethane	Ave	2.106	2.532		12.4	10.3	20.2	30.0
Chloroethane	Ave	0.9356	1.113		12.4	10.4	19.0	30.0
Isopentane	Ave	1.562	1.801		12.0	10.4	15.3	30.0
Bromoethene (Vinyl Bromide)	Ave	1.999	2.332		12.2	10.4	16.7	30.0
Trichlorofluoromethane	Ave	4.453	5.057		12.0	10.6	13.6	30.0
n-Pentane	Ave	1.999	2.254		11.4	10.1	12.8	30.0
Ethanol	Ave	0.4432	0.5704		19.3	15.0	28.7	30.0
Ethyl ether	Ave	0.8995	1.035		11.6	10.1	15.1	30.0
Acrolein	Ave	0.4824	0.5532		11.1	9.72	14.7	30.0
1,1-Dichloroethene	Ave	1.623	1.724		10.9	10.3	6.3	30.0
Freon TF	Ave	3.309	3.579		11.3	10.5	8.2	30.0
Acetone	Ave	1.438	1.535		10.9	10.2	6.7	30.0
Isopropyl alcohol	Ave	1.458	1.600		11.2	10.2	9.8	30.0
Carbon disulfide	Ave	3.755	3.946		10.7	10.2	5.1	30.0
Acetonitrile	Ave	0.5467	0.5652		10.2	9.90	3.4	30.0
3-Chloropropene	Ave	0.9027	1.052		12.4	10.6	16.5	30.0
Methylene Chloride	Ave	0.9417	0.9604		10.5	10.3	2.0	30.0
tert-Butyl alcohol	Ave	1.811	1.928		11.5	10.8	6.5	30.0
Acrylonitrile	Ave	0.5554	0.5654		10.3	10.1	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.390	1.457		10.7	10.2	4.8	30.0
Methyl tert-butyl ether	Ave	3.089	3.263		11.0	10.4	5.6	30.0
n-Hexane	Ave	1.285	1.280		10.6	10.6	-0.4	30.0
1,1-Dichloroethane	Ave	1.769	1.737		9.82	10.0	-1.8	30.0
Vinyl acetate	Ave	1.836	1.886		10.7	10.4	2.7	30.0
Methyl Ethyl Ketone	Ave	0.4878	0.4846		10.3	10.3	-0.6	30.0
cis-1,2-Dichloroethene	Ave	1.315	1.288		9.89	10.1	-2.0	30.0
Ethyl acetate	Ave	0.0974	0.1031		10.7	10.1	5.9	30.0
Tetrahydrofuran	Ave	0.1668	0.1656		9.92	9.99	-0.7	30.0
Chloroform	Ave	2.528	2.475		9.89	10.1	-2.1	30.0
1,1,1-Trichloroethane	Ave	0.6197	0.6481		10.7	10.2	4.6	30.0
Cyclohexane	Ave	0.3351	0.3405		10.3	10.1	1.6	30.0
Carbon tetrachloride	Ave	0.6808	0.7206		10.8	10.2	5.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Lab Sample ID: CCVIS 200-173045/2 Calibration Date: 10/25/2021 08:24
 Instrument ID: CHW.i Calib Start Date: 10/20/2021 11:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/21/2021 09:19
 Lab File ID: 48130-002.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
Benzene	Ave	0.7414	0.7197		10.0	10.3	-2.9	30.0
1,2-Dichloroethane	Ave	0.3107	0.3252		10.8	10.4	4.7	30.0
2,2,4-Trimethylpentane	Ave	0.9087	0.8985		10.4	10.5	-1.1	30.0
n-Heptane	Ave	0.2851	0.2747		10.1	10.5	-3.7	30.0
n-Butanol	Ave	0.1263	0.1269		9.59	9.55	0.5	30.0
Trichloroethene	Ave	0.3672	0.3644		10.4	10.5	-0.8	30.0
1,2-Dichloropropane	Ave	0.2216	0.2123		9.88	10.3	-4.2	30.0
Methyl methacrylate	Ave	0.2284	0.2325		10.3	10.2	1.8	30.0
1,4-Dioxane	Ave	0.1478	0.1533		11.0	10.6	3.7	30.0
Dibromomethane	Ave	0.4681	0.4733		10.4	10.3	1.1	30.0
Bromodichloromethane	Ave	0.5599	0.5576		10.5	10.6	-0.4	30.0
cis-1,3-Dichloropropene	Ave	0.4327	0.4256		10.2	10.4	-1.6	30.0
methyl isobutyl ketone	Ave	0.3586	0.3543		10.1	10.2	-1.2	30.0
Toluene	Ave	0.6797	0.6915		10.3	10.2	1.7	30.0
n-Octane	Ave	0.3897	0.3722		9.87	10.3	-4.5	30.0
trans-1,3-Dichloropropene	Ave	0.3838	0.3926		10.1	9.88	2.3	30.0
1,1,2-Trichloroethane	Ave	0.3035	0.2986		10.3	10.5	-1.6	30.0
Tetrachloroethene	Ave	0.7854	0.7960		10.6	10.5	1.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3801	0.3913		10.3	9.99	3.0	30.0
Dibromochloromethane	Ave	0.8579	0.9312		10.5	9.68	8.5	30.0
1,2-Dibromoethane	Ave	0.5842	0.5938		10.8	10.6	1.6	30.0
Chlorobenzene	Ave	0.9777	0.9637		10.3	10.5	-1.4	30.0
Ethylbenzene	Ave	1.482	1.489		10.3	10.2	0.5	30.0
m,p-Xylene	Ave	0.5550	0.6057		22.4	20.6	9.1	30.0
n-Nonane	Ave	0.4654	0.4854		10.9	10.5	4.3	30.0
Xylene, o-	Ave	0.5841	0.5941		10.5	10.4	1.7	30.0
Styrene	Ave	0.8296	0.9038		11.2	10.3	8.9	30.0
Bromoform	Ave	0.8025	0.9478		12.1	10.3	18.1	30.0
Cumene	Ave	1.709	1.794		10.9	10.4	5.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7762	0.7426		9.89	10.3	-4.3	30.0
1,2,3-Trichloropropane	Ave	0.5801	0.5680		10.4	10.6	-2.1	30.0
n-Propylbenzene	Ave	1.821	1.925		11.0	10.4	5.7	30.0
2-Chlorotoluene	Ave	1.190	1.242		10.9	10.4	4.3	30.0
4-Ethyltoluene	Ave	1.581	1.696		11.1	10.3	7.3	30.0
1,3,5-Trimethylbenzene	Ave	1.390	1.486		11.1	10.4	6.9	30.0
n-Decane	Ave	0.5489	0.5838		11.1	10.4	6.4	30.0
Alpha Methyl Styrene	Ave	0.6867	0.7854		11.7	10.2	14.4	30.0
tert-Butylbenzene	Ave	1.448	1.553		11.1	10.4	7.2	30.0
1,2,4-Trimethylbenzene	Ave	1.330	1.479		11.6	10.4	11.2	30.0
sec-Butylbenzene	Ave	1.974	2.124		11.3	10.5	7.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Lab Sample ID: CCVIS 200-173045/2 Calibration Date: 10/25/2021 08:24
 Instrument ID: CHW.i Calib Start Date: 10/20/2021 11:14
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/21/2021 09:19
 Lab File ID: 48130-002.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
1,3-Dichlorobenzene	Ave	0.8822	0.9914		11.9	10.6	12.4	30.0
4-Isopropyltoluene	Ave	1.724	1.906		11.4	10.3	10.6	30.0
1,4-Dichlorobenzene	Ave	0.8015	0.9133		11.9	10.5	13.9	30.0
Benzyl chloride	Ave	0.7984	0.9133		12.1	10.6	14.4	30.0
n-Butylbenzene	Ave	1.257	1.463		12.1	10.4	16.3	30.0
1,2-Dichlorobenzene	Ave	0.9081	0.9870		11.3	10.4	8.7	30.0
n-Undecane	Ave	0.5905	0.6010		10.6	10.5	1.8	30.0
n-Dodecane	Ave	0.4121	0.3998		9.08	9.36	-3.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4578	0.4847		11.5	10.9	5.9	30.0
Hexachlorobutadiene	Ave	0.9789	1.152		12.1	10.3	17.7	30.0
Naphthalene	Ave	0.9540	1.033		10.5	9.72	8.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5255	0.5563		9.65	9.12	5.8	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-002.d
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 25-Oct-2021 08:24:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048130-002
 Operator ID: vtp Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub5
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Oct-2021 08:13:28 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: bourdeaut

Date: 25-Oct-2021 09:25:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.115	4.115	0.000	100	224684	10.3	13.7	
2 Dichlorodifluoromethane	85	4.212	4.212	0.000	99	822162	10.4	12.9	
3 Chlorodifluoromethane	51	4.260	4.260	0.000	97	440065	10.5	13.7	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.586	4.586	0.000	97	900863	10.4	13.0	
5 Chloromethane	50	4.693	4.693	0.000	99	254186	10.9	14.1	
6 Vinyl chloride	62	5.009	5.009	0.000	97	235460	10.4	12.8	
7 Butane	43	5.014	5.014	0.000	98	272478	10.4	12.8	
8 Butadiene	54	5.132	5.132	0.000	92	153106	10.1	11.5	
9 Bromomethane	94	5.849	5.849	0.000	100	286269	10.3	12.4	
10 Chloroethane	64	6.127	6.127	0.000	98	126818	10.4	12.4	
12 BFB									
11 2-Methylbutane	43	6.341	6.341	0.000	89	206179	10.4	12.0	
13 Vinyl bromide	106	6.550	6.550	0.000	100	266439	10.4	12.2	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	98	585595	10.6	12.0	
15 Pentane	43	6.924	6.924	0.000	99	250395	10.1	11.4	
16 Ethanol	45	7.111	7.111	0.000	98	93859	15.0	19.3	M
18 Ethyl ether	59	7.357	7.357	0.000	92	114386	10.1	11.6	
19 Acrolein	56	7.587	7.587	0.000	94	58960	9.72	11.1	
20 1,1-Dichloroethene	96	7.780	7.780	0.000	91	194372	10.3	10.9	
21 112TCTFE	101	7.823	7.823	0.000	94	411671	10.5	11.3	
22 Acetone	43	7.876	7.876	0.000	96	172405	10.2	10.9	
24 Isopropyl alcohol	45	8.181	8.181	0.000	100	179286	10.2	11.2	M
23 Carbon disulfide	76	8.187	8.187	0.000	99	439630	10.2	10.7	
25 Acetonitrile	41	8.363	8.363	0.000	98	61358	9.90	10.2	
26 3-Chloro-1-propene	41	8.481	8.481	0.000	96	122832	10.6	12.4	M
27 Methylene Chloride	49	8.711	8.711	0.000	80	108251	10.3	10.5	
28 2-Methyl-2-propanol	59	8.957	8.957	0.000	93	227885	10.8	11.5	M
29 Acrylonitrile	53	9.112	9.112	0.000	94	62678	10.1	10.3	
30 trans-1,2-Dichloroethene	61	9.214	9.214	0.000	91	162919	10.2	10.7	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	95	373934	10.4	11.0	
32 Hexane	57	9.722	9.722	0.000	89	148645	10.6	10.6	

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	9.979	9.979	0.000	99	190490	10.0	9.82	
34 Vinyl acetate	43	9.995	9.995	0.000	99	214860	10.4	10.7	M
S 35 1,2-Dichloroethene, Total	61				0		20.3	20.6	
37 2-Butanone (MEK)	72	10.952	10.952	0.000	96	54946	10.3	10.3	
36 cis-1,2-Dichloroethene	96	10.974	10.974	0.000	85	142617	10.1	9.89	
38 Ethyl acetate	88	11.043	11.043	0.000	99	11448	10.1	10.7	
* 39 Chlorobromomethane	128	11.386	11.386	0.000	69	109670	10.0	10.0	
40 Tetrahydrofuran	42	11.445	11.445	0.000	80	80321	9.99	9.92	
41 Chloroform	83	11.562	11.562	0.000	96	274063	10.1	9.89	
42 1,1,1-Trichloroethane	97	11.867	11.867	0.000	93	320633	10.2	10.7	
43 Cyclohexane	84	12.006	12.006	0.000	90	167788	10.1	10.3	
44 Carbon tetrachloride	117	12.151	12.151	0.000	97	355486	10.2	10.8	
45 Benzene	78	12.493	12.493	0.000	94	360936	10.3	10.0	
46 1,2-Dichloroethane	62	12.568	12.568	0.000	99	163567	10.4	10.8	
47 Isooctane	57	12.712	12.712	0.000	97	456746	10.5	10.4	
48 n-Heptane	43	13.023	13.023	0.000	82	140172	10.5	10.1	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	485613	10.0	10.0	
50 n-Butanol	56	13.472	13.472	0.000	84	58855	9.55	9.59	
51 Trichloroethene	95	13.665	13.665	0.000	94	186297	10.5	10.4	
A 52 GRO	1	14.053	(6.331-21.774)		0	56676569	649.9	0	
53 1,2-Dichloropropane	63	14.125	14.125	0.000	87	106286	10.3	9.88	
55 Methyl methacrylate	69	14.216	14.216	0.000	90	114687	10.2	10.3	
57 1,4-Dioxane	88	14.269	14.269	0.000	86	78741	10.6	11.0	
56 Dibromomethane	174	14.280	14.280	0.000	87	236681	10.3	10.4	
58 Dichlorobromomethane	83	14.590	14.590	0.000	98	286173	10.6	10.5	
A 59 TVOC as Toluene	1	15.379	(4.105-26.653)		0	88856289	899.8	0	
60 cis-1,3-Dichloropropene	75	15.398	15.398	0.000	89	214720	10.4	10.2	
61 4-Methyl-2-pentanone (MIBK)	43	15.665	15.665	0.000	91	176159	10.2	10.1	
62 Toluene	92	16.035	16.035	0.000	93	281501	10.2	10.3	
63 n-Octane	43	16.291	16.291	0.000	79	186693	10.3	9.87	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	94	188348	9.88	10.1	
65 1,1,2-Trichloroethane	83	16.826	16.826	0.000	94	125365	10.5	10.3	
66 Tetrachloroethene	166	17.030	17.030	0.000	96	334871	10.5	10.6	
67 2-Hexanone	43	17.249	17.249	0.000	98	156639	9.99	10.3	M
68 Chlorodibromomethane	129	17.565	17.565	0.000	97	361154	9.68	10.5	
69 Ethylene Dibromide	107	17.805	17.805	0.000	99	252438	10.6	10.8	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	82	400743	10.0	10.0	
72 Chlorobenzene	112	18.774	18.774	0.000	98	405054	10.5	10.3	
73 Ethylbenzene	91	18.972	18.972	0.000	97	609783	10.2	10.3	
74 m-Xylene & p-Xylene	106	19.234	19.234	0.000	0	498956	20.6	22.4	
75 n-Nonane	57	19.298	19.298	0.000	80	203806	10.5	10.9	
76 o-Xylene	106	20.004	20.004	0.000	99	246615	10.4	10.5	
77 Styrene	104	20.042	20.042	0.000	97	373707	10.3	11.2	
S 78 Xylenes, Total	106				0		30.9	33.0	
79 Bromoform	173	20.395	20.395	0.000	98	390752	10.3	12.1	
80 Isopropylbenzene	105	20.716	20.716	0.000	95	749780	10.4	10.9	
81 1,1,2,2-Tetrachloroethane	83	21.235	21.235	0.000	98	307646	10.3	9.89	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	95	241002	10.6	10.4	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	802238	10.4	11.0	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	519369	10.4	10.9	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	702134	10.3	11.1	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	94	618633	10.4	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	21.764	21.764	0.000	93	243727	10.4	11.1	
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	320979	10.2	11.7	
89 tert-Butylbenzene	119	22.214	22.214	0.000	95	644541	10.4	11.1	
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	97	616400	10.4	11.6	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	890192	10.5	11.3	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	94	420240	10.6	11.9	
93 4-Isopropyltoluene	119	22.754	22.754	0.000	97	787476	10.3	11.4	
94 1,4-Dichlorobenzene	146	22.855	22.855	0.000	97	383126	10.5	11.9	
95 Benzyl chloride	91	23.000	23.000	0.000	100	387153	10.6	12.1	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	608987	10.4	12.1	
97 1,2-Dichlorobenzene	146	23.337	23.337	0.000	99	412840	10.4	11.3	
98 Undecane	57	23.460	23.460	0.000	88	251872	10.5	10.6	
99 Dodecane	57	25.033	25.033	0.000	96	149944	9.36	9.08	
100 1,2,4-Trichlorobenzene	180	25.760	25.760	0.000	94	210894	10.9	11.5	
101 Hexachlorobutadiene	225	26.006	26.006	0.000	94	473658	10.3	12.1	
102 Naphthalene	128	26.236	26.236	0.000	99	402164	9.72	10.5	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	203259	9.12	9.65	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL4w_00772

Amount Added: 200.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 26-Oct-2021 08:13:28

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Euofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-002.d

Injection Date: 25-Oct-2021 08:24:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

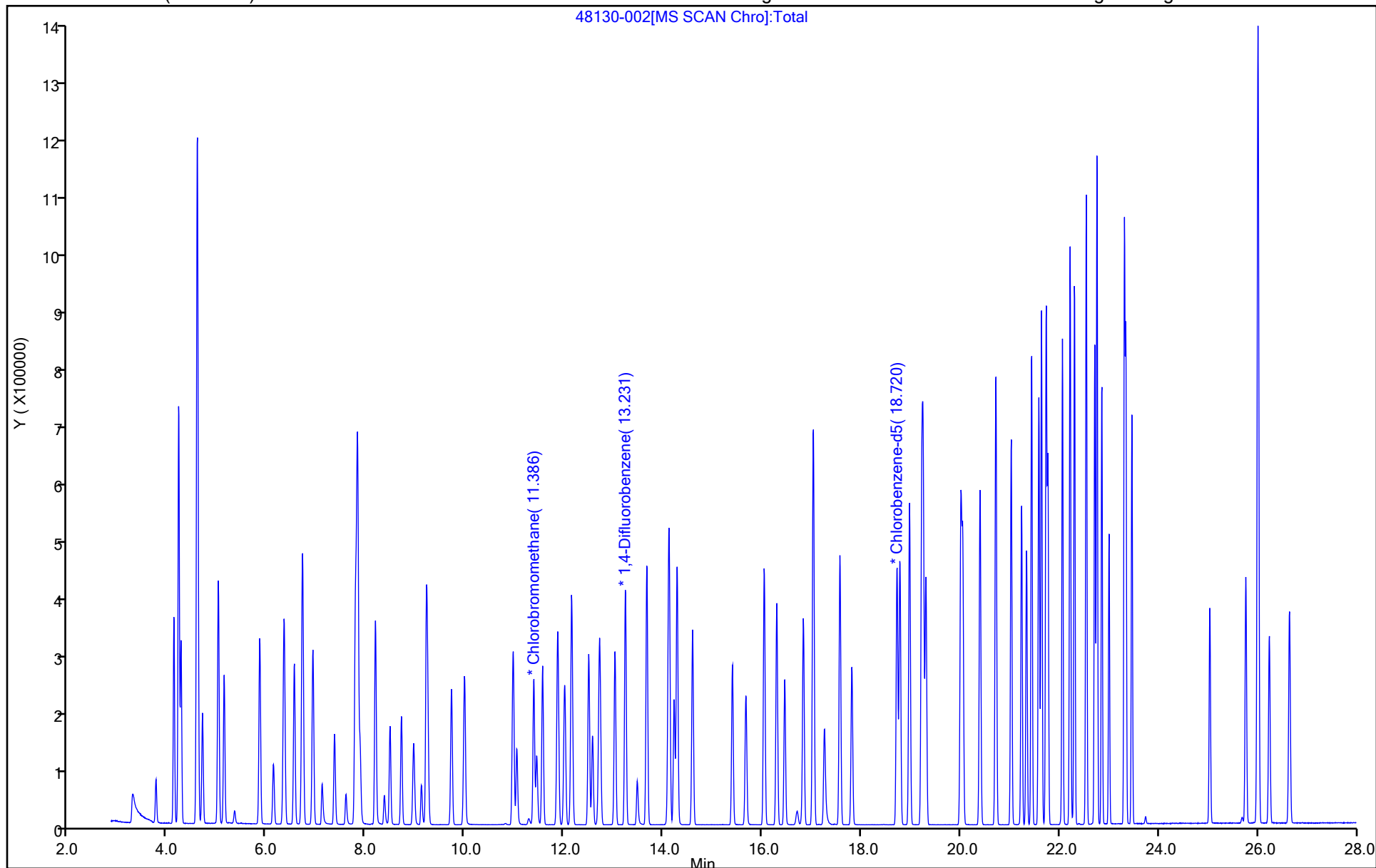
ALS Bottle#: 1

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

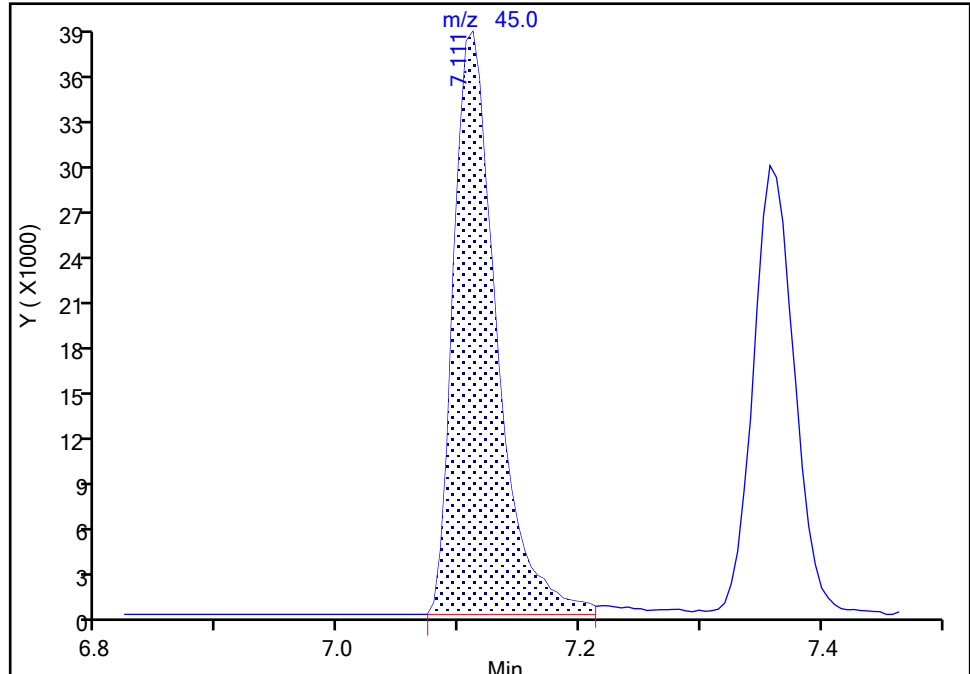
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Injection Date: 25-Oct-2021 08:24:30 Instrument ID: CHW.i
Lims ID: CCVIS
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

16 Ethanol, CAS: 64-17-5

Signal: 1

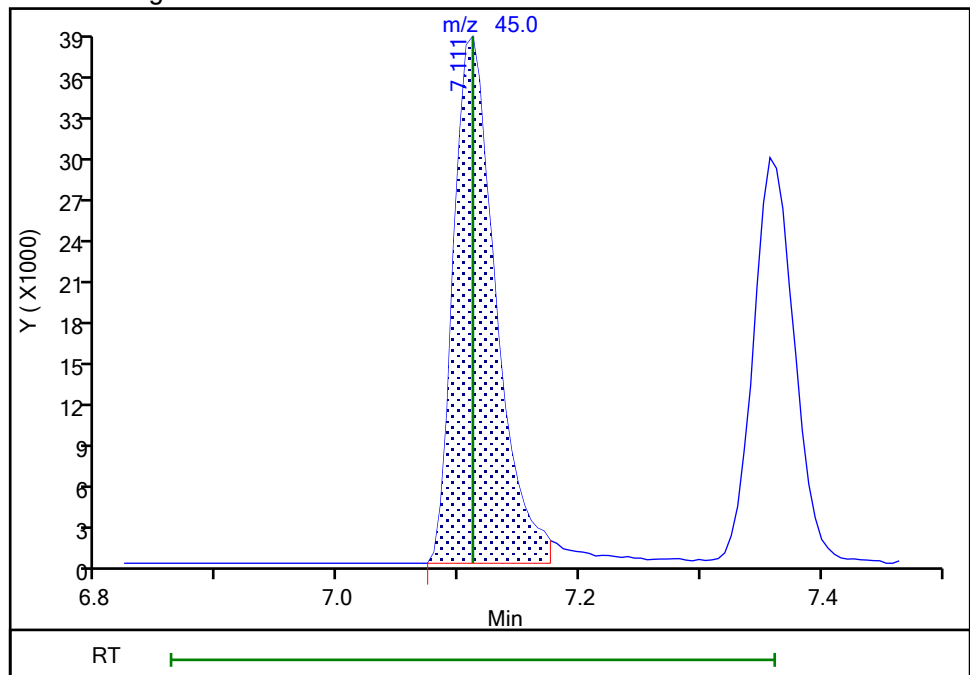
RT: 7.11
Area: 95927
Amount: 19.735228
Amount Units: ppb v/v

Processing Integration Results



RT: 7.11
Area: 93859
Amount: 19.309775
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 25-Oct-2021 09:25:23

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington

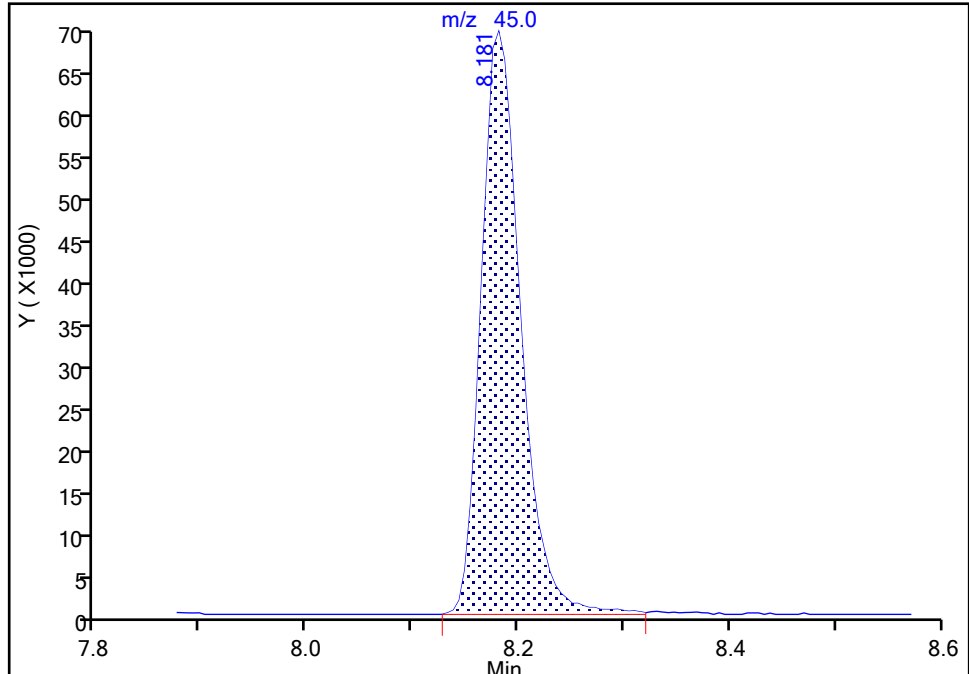
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Injection Date: 25-Oct-2021 08:24:30 Instrument ID: CHW.i
Lims ID: CCVIS
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

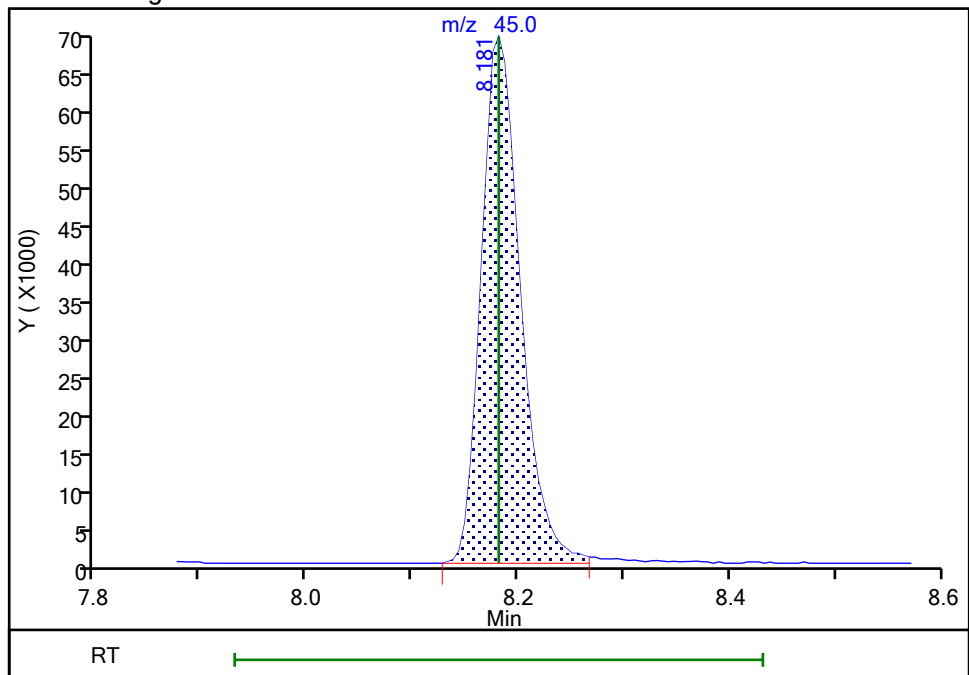
RT: 8.18
Area: 180868
Amount: 11.314829
Amount Units: ppb v/v

Processing Integration Results



RT: 8.18
Area: 179286
Amount: 11.215862
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 25-Oct-2021 09:26:50

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington

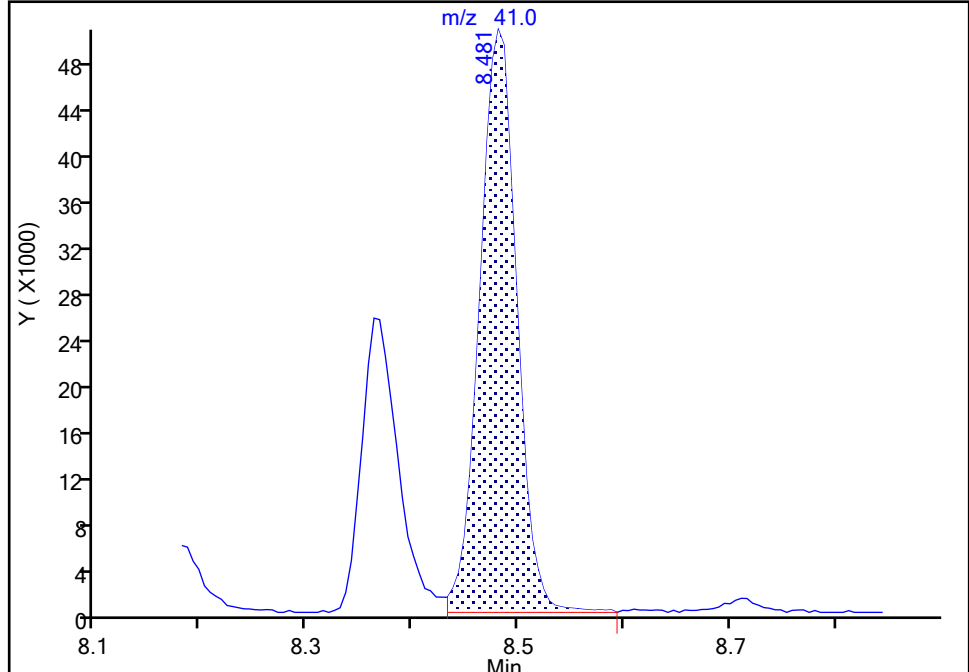
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Injection Date: 25-Oct-2021 08:24:30 Instrument ID: CHW.i
Lims ID: CCVIS
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

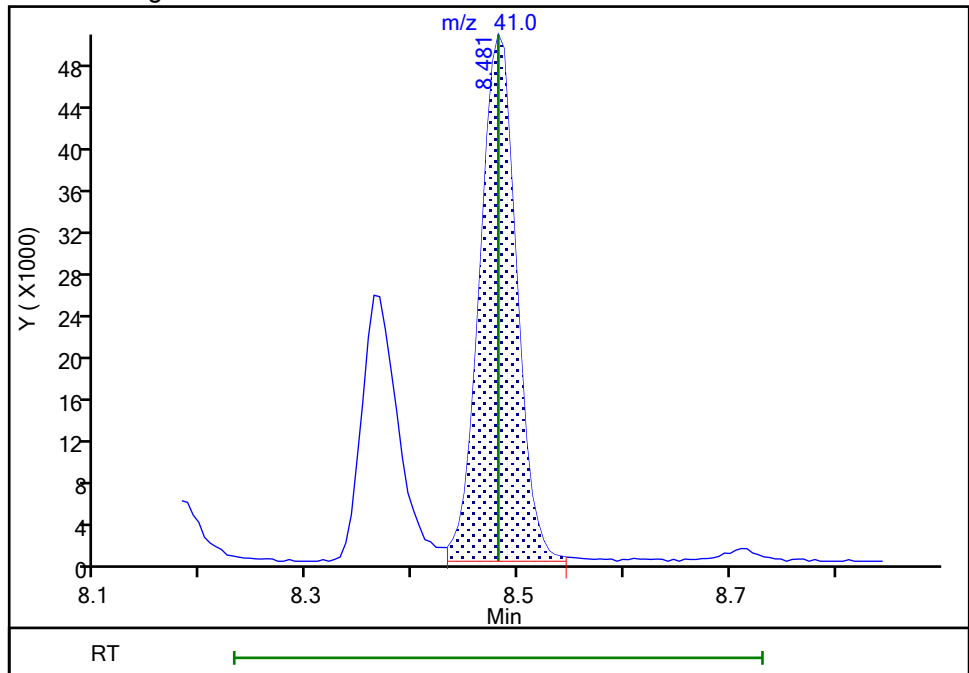
RT: 8.48
Area: 123459
Amount: 12.470100
Amount Units: ppb v/v

Processing Integration Results



RT: 8.48
Area: 122832
Amount: 12.406769
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 25-Oct-2021 09:26:37

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington

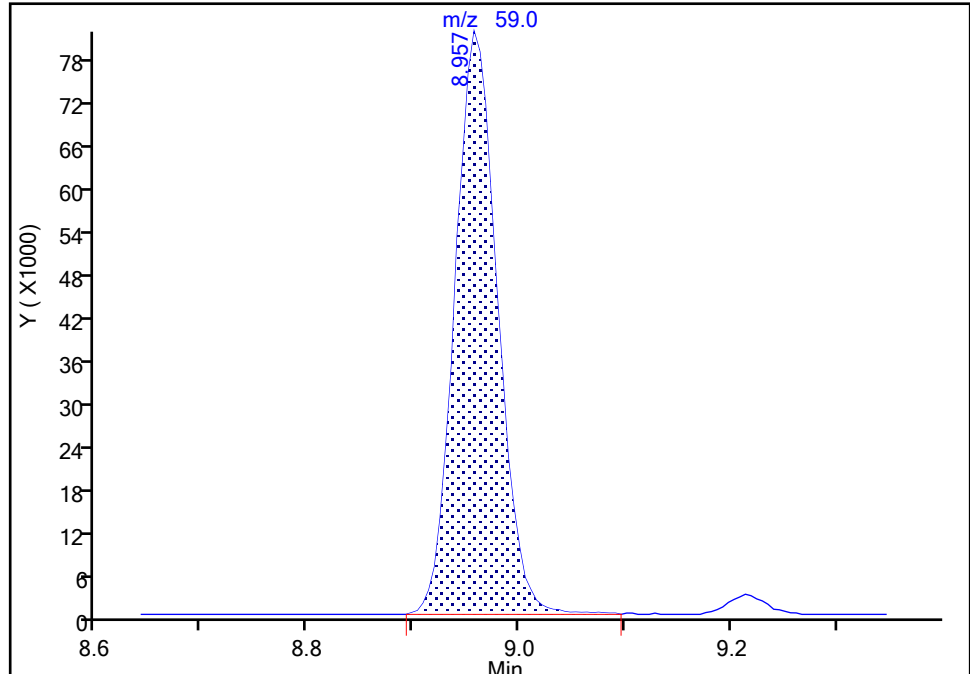
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Injection Date: 25-Oct-2021 08:24:30 Instrument ID: CHW.i
Lims ID: CCVIS
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

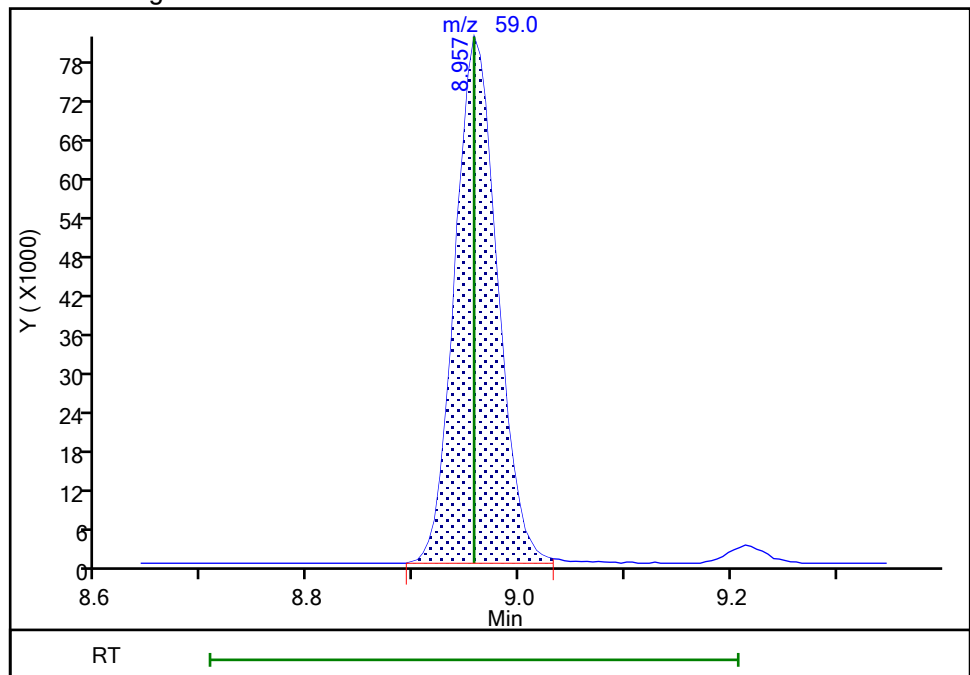
RT: 8.96
Area: 228904
Amount: 11.527516
Amount Units: ppb v/v

Processing Integration Results



RT: 8.96
Area: 227885
Amount: 11.476200
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 25-Oct-2021 09:26:43

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-002.d

Injection Date: 25-Oct-2021 08:24:30

Instrument ID: CHW.i

Lims ID: CCVIS

Client ID:

Operator ID: vtp

ALS Bottle#:

1

Worklist Smp#: 2

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

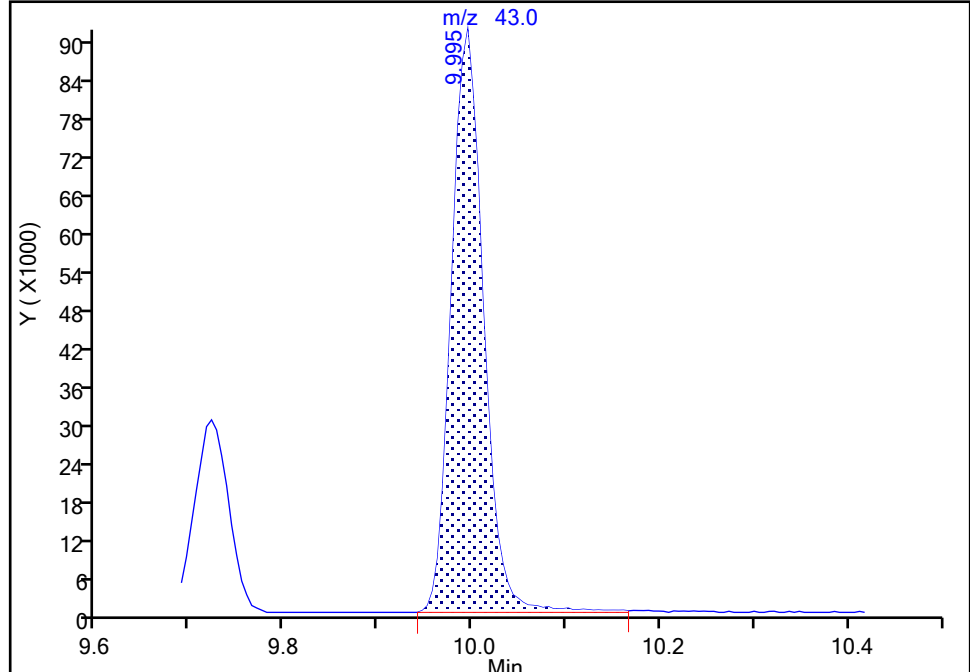
Detector: MS SCAN

34 Vinyl acetate, CAS: 108-05-4

Signal: 1

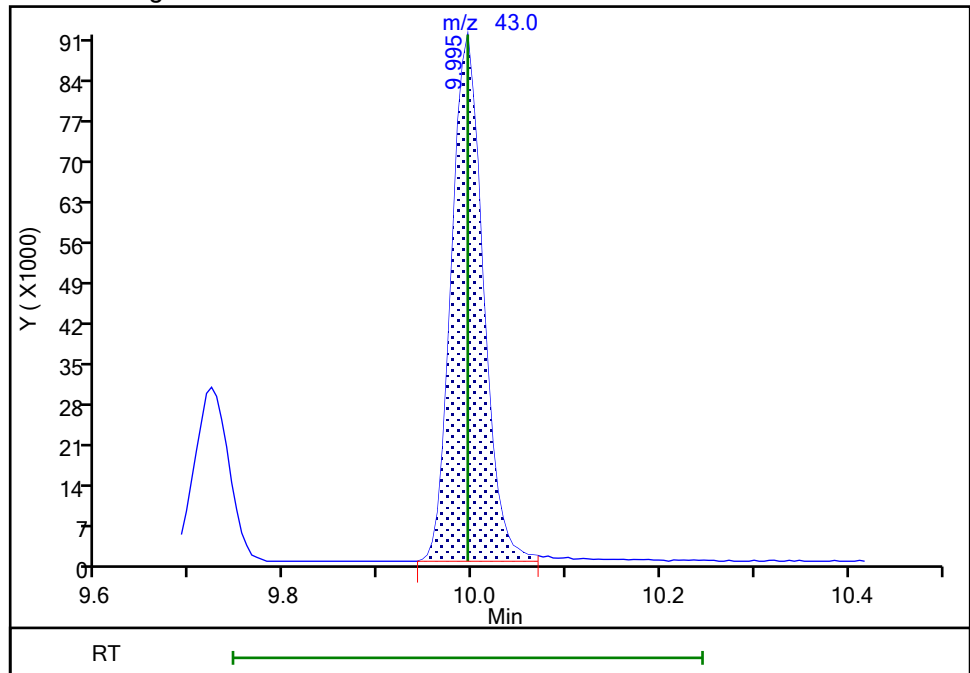
RT: 9.99
Area: 217496
Amount: 10.799916
Amount Units: ppb v/v

Processing Integration Results



RT: 9.99
Area: 214860
Amount: 10.669023
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 25-Oct-2021 09:26:27

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington

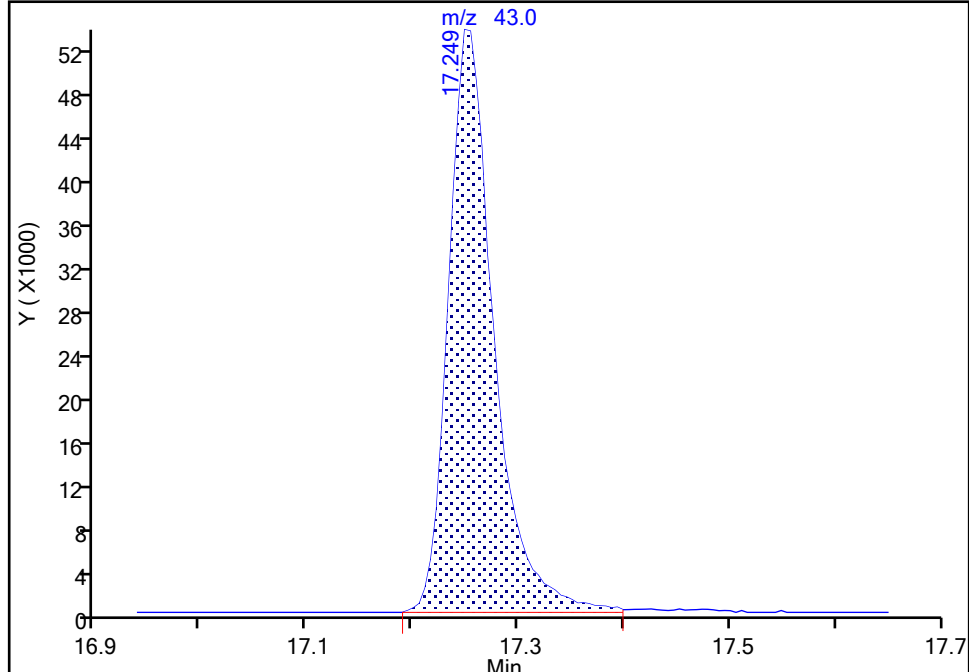
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Injection Date: 25-Oct-2021 08:24:30 Instrument ID: CHW.i
Lims ID: CCVIS
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

67 2-Hexanone, CAS: 591-78-6

Signal: 1

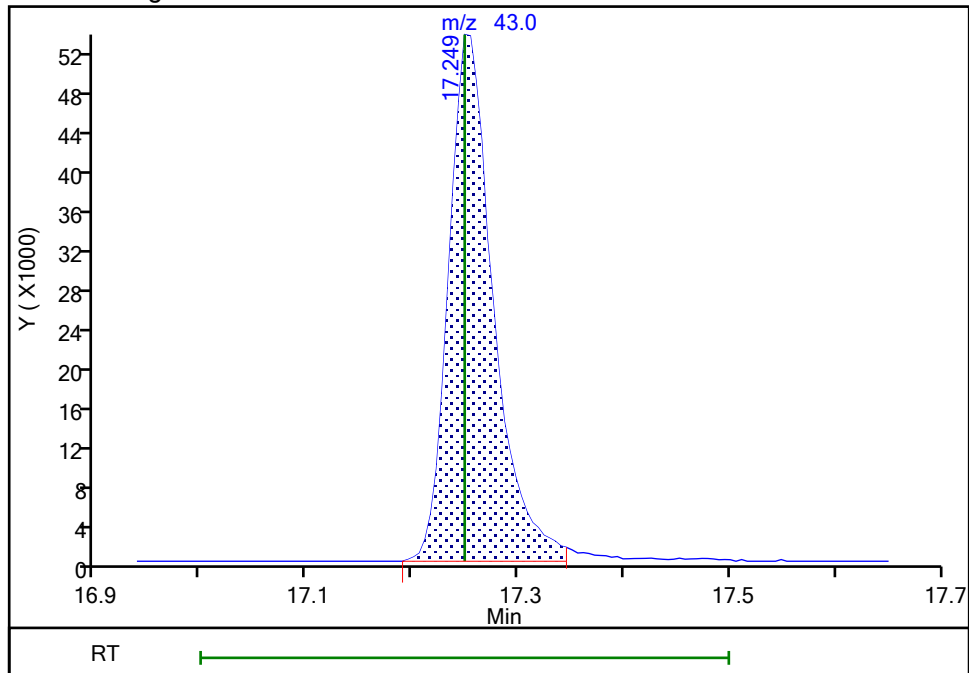
RT: 17.25
Area: 158736
Amount: 10.421161
Amount Units: ppb v/v

Processing Integration Results



RT: 17.25
Area: 156639
Amount: 10.283491
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bourdeaut, 25-Oct-2021 09:26:08

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-001.d
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 20-Oct-2021 09:29:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0048067-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Oct-2021 10:04:47 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1664

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

* 39 Chlorobromomethane	128	11.380				10.0	ND
* 49 1,4-Difluorobenzene	114	13.231				10.0	ND
* 70 Chlorobenzene-d5	117	18.715				10.0	ND

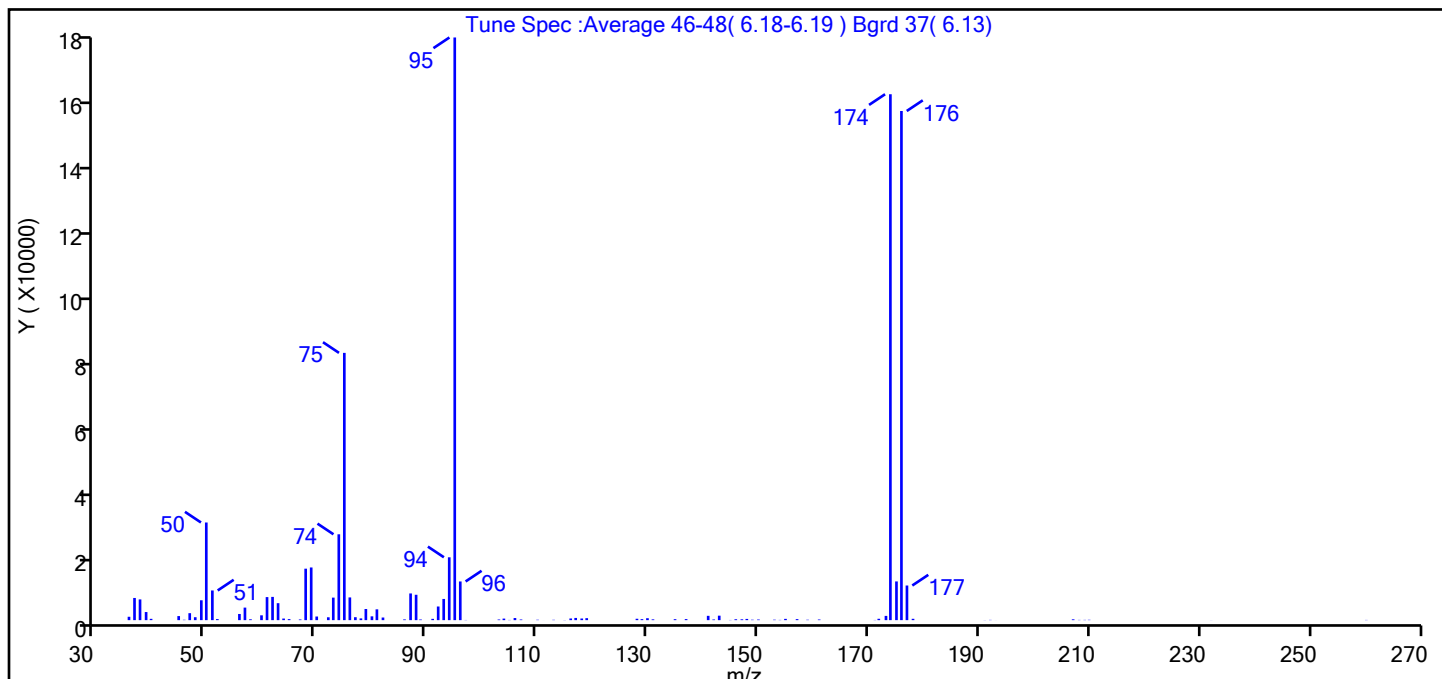
Reagents:

ATTO15WISs_00009 Amount Added: 20.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-001.d
Injection Date: 20-Oct-2021 09:29:30 Instrument ID: CHW.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

12 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	16.8
75	30.0 to 66.0 Percent of m/e 95	45.9
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.7 (0.8)
174	50.0 to 120.0 Percent of m/e 95	90.3
175	4.0 to 9.0 Percent of m/e 174	6.6 (7.4)
176	93.0 to 101.0 Percent of m/e 174	87.4 (96.8)
177	5.0 to 9.0 Percent of m/e 176	5.9 (6.8)

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-001.d\TO15_TO3_MasterMethod_W.rs
 Injection Date: 20-Oct-2021 09:29:30
 Spectrum: Tune Spec :Average 46-48(6.18-6.19) Bgrd 37(6.13)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1031	70.00	1109	105.00	63	150.00	193
37.00	6777	72.00	876	106.00	642	153.00	140
38.00	6335	73.00	6883	107.00	198	154.00	73
39.00	2477	74.00	26232	110.00	124	155.00	391
40.00	401	75.00	81672	111.00	7	157.00	314
45.00	1243	76.00	6941	113.00	104	159.00	125
46.00	116	77.00	899	115.00	42	161.00	198
47.00	2129	78.00	533	116.00	508	171.00	55
48.00	895	79.00	3403	117.00	674	172.00	415
49.00	6072	80.00	1163	118.00	500	173.00	1298
50.00	29840	81.00	3302	119.00	603	174.00	160704
51.00	9068	82.00	803	128.00	421	175.00	11831
52.00	318	86.00	223	129.00	305	176.00	155584
56.00	1883	87.00	8158	130.00	589	177.00	10584
57.00	3831	88.00	7751	131.00	239	178.00	410
58.00	265	89.00	194	135.00	290	191.00	32
60.00	1475	91.00	395	137.00	320	192.00	81
61.00	7044	92.00	4170	141.00	1317	193.00	10
62.00	7104	93.00	6477	142.00	204	207.00	248
63.00	5185	94.00	19208	143.00	1367	208.00	74
64.00	485	95.00	178048	145.00	54	209.00	82
65.00	317	96.00	11820	146.00	270	210.00	110
67.00	214	97.00	52	147.00	256	232.00	20
68.00	15726	103.00	198	148.00	373	260.00	66
69.00	16097	104.00	472	149.00	132		

Report Date: 21-Oct-2021 10:04:47

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-001.d

Injection Date: 20-Oct-2021 09:29:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

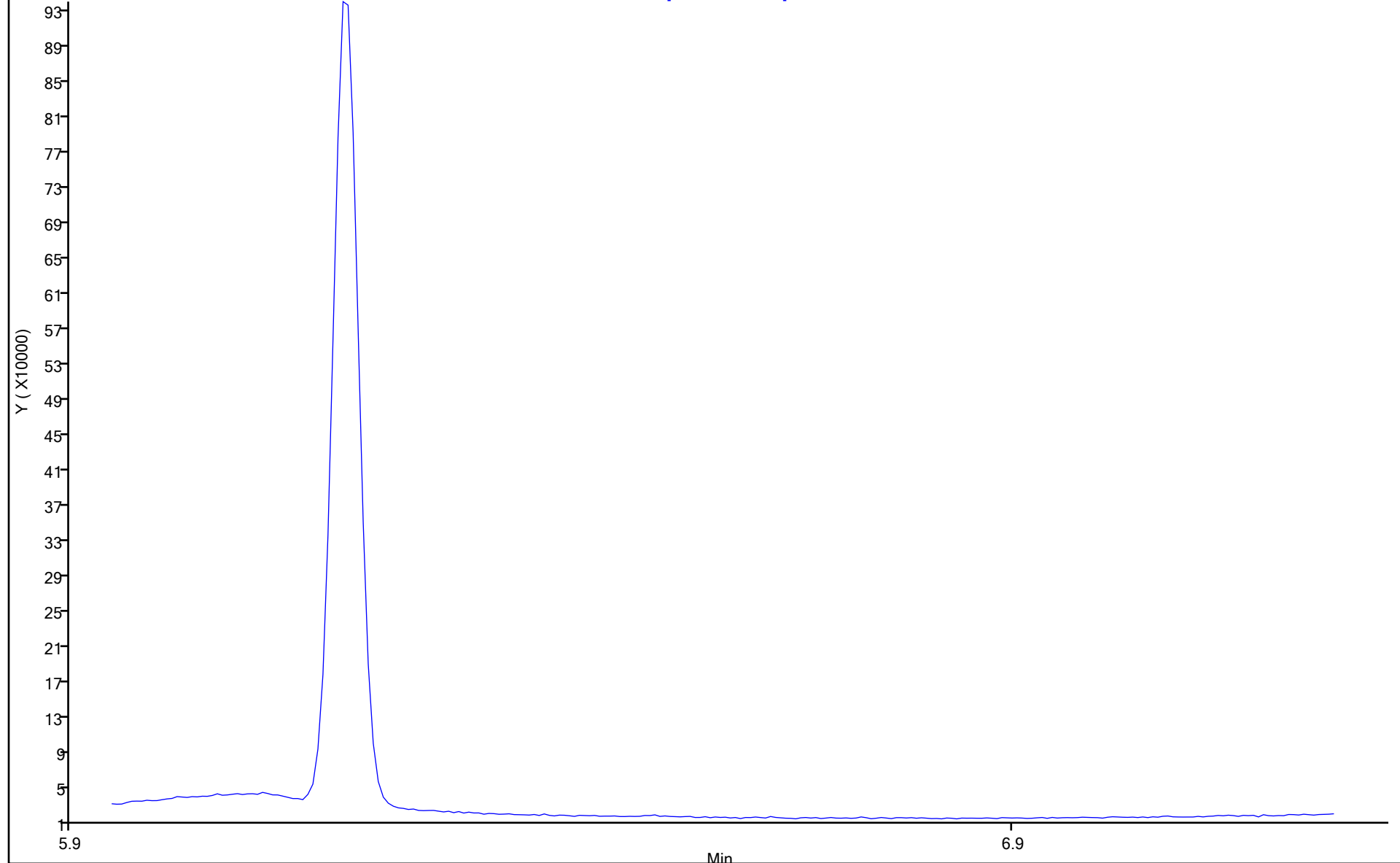
Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

48067-001[MS SCAN Chro]:Total



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\48089-001.d
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 21-Oct-2021 10:58:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0048089-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Oct-2021 11:21:29 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1608

First Level Reviewer: puangmaleek

Date: 22-Oct-2021 11:21:29

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

* 39 Chlorobromomethane	128	11.380				10.0	ND
* 49 1,4-Difluorobenzene	114	13.231				10.0	ND
* 70 Chlorobenzene-d5	117	18.720				10.0	ND

QC Flag Legend

Processing Flags

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

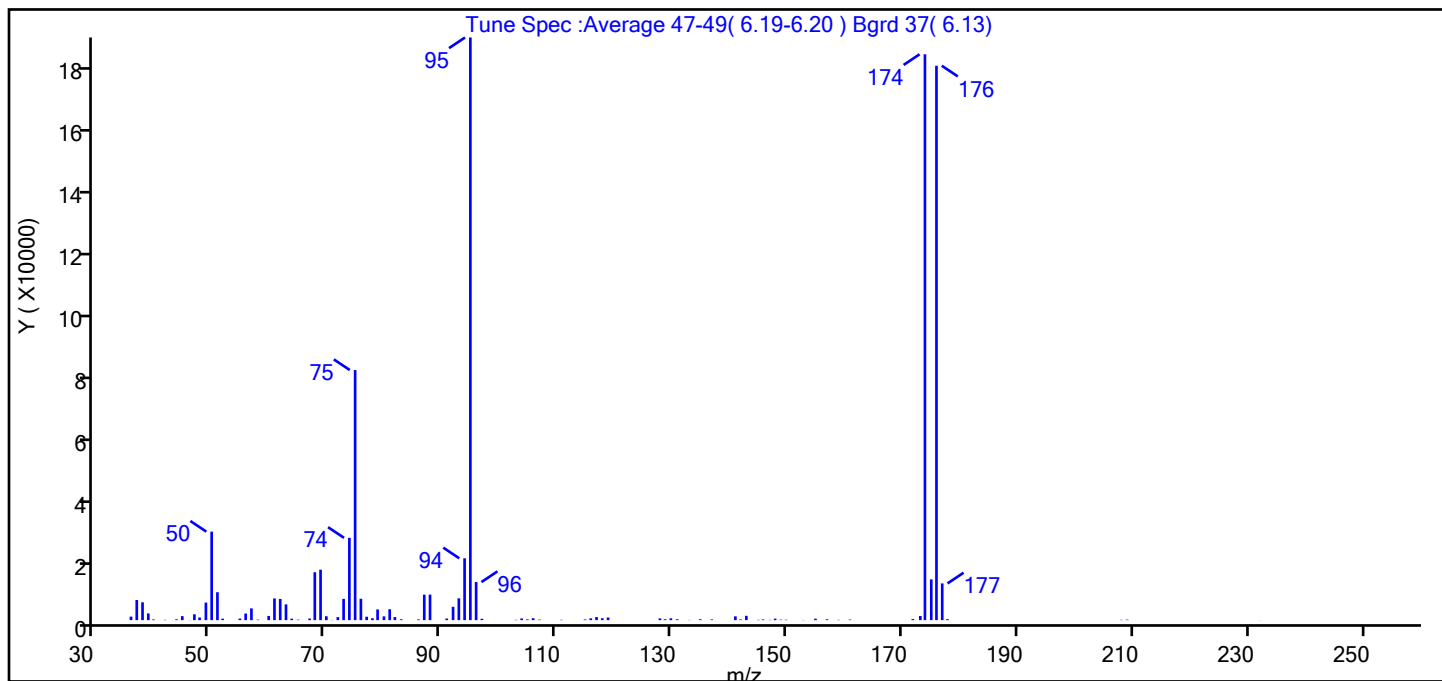
Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\48089-001.d
Injection Date: 21-Oct-2021 10:58:30 Instrument ID: CHW.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

12 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	15.2
75	30.0 to 66.0 Percent of m/e 95	42.9
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	97.1
175	4.0 to 9.0 Percent of m/e 174	7.0 (7.2)
176	93.0 to 101.0 Percent of m/e 174	95.1 (98.0)
177	5.0 to 9.0 Percent of m/e 176	6.3 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\48089-001.d\TO15_TO3_MasterMethod_W.rs
 Injection Date: 21-Oct-2021 10:58:30
 Spectrum: Tune Spec :Average 47-49(6.19-6.20) Bgrd 37(6.13)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1149	64.00	482	93.00	7058	142.00	231
37.00	6532	65.00	160	94.00	20024	143.00	1401
38.00	5780	67.00	514	95.00	188672	145.00	111
39.00	2163	68.00	15519	96.00	12334	146.00	241
40.00	236	69.00	16329	97.00	447	147.00	98
41.00	14	70.00	1265	103.00	113	148.00	479
42.00	115	71.00	59	104.00	553	149.00	149
44.00	276	72.00	989	105.00	253	150.00	140
45.00	1296	73.00	6887	106.00	629	153.00	59
46.00	50	74.00	26648	107.00	180	155.00	473
47.00	1888	75.00	80984	111.00	114	157.00	275
48.00	867	76.00	6920	115.00	230	159.00	104
49.00	5679	77.00	1107	116.00	569	161.00	187
50.00	28656	78.00	628	117.00	993	172.00	349
51.00	9039	79.00	3466	118.00	611	173.00	1349
52.00	477	80.00	1220	119.00	858	174.00	183232
55.00	518	81.00	3527	128.00	565	175.00	13201
56.00	2140	82.00	1006	129.00	288	176.00	179520
57.00	3800	83.00	279	130.00	595	177.00	11897
58.00	157	86.00	241	131.00	283	178.00	317
60.00	1358	87.00	8244	133.00	68	208.00	102
61.00	7033	88.00	8270	135.00	283	209.00	170
62.00	6872	91.00	519	137.00	228	232.00	31
63.00	5106	92.00	4314	141.00	1231	260.00	5

Report Date: 22-Oct-2021 11:21:30

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211021-48089.b\48089-001.d

Injection Date: 21-Oct-2021 10:58:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

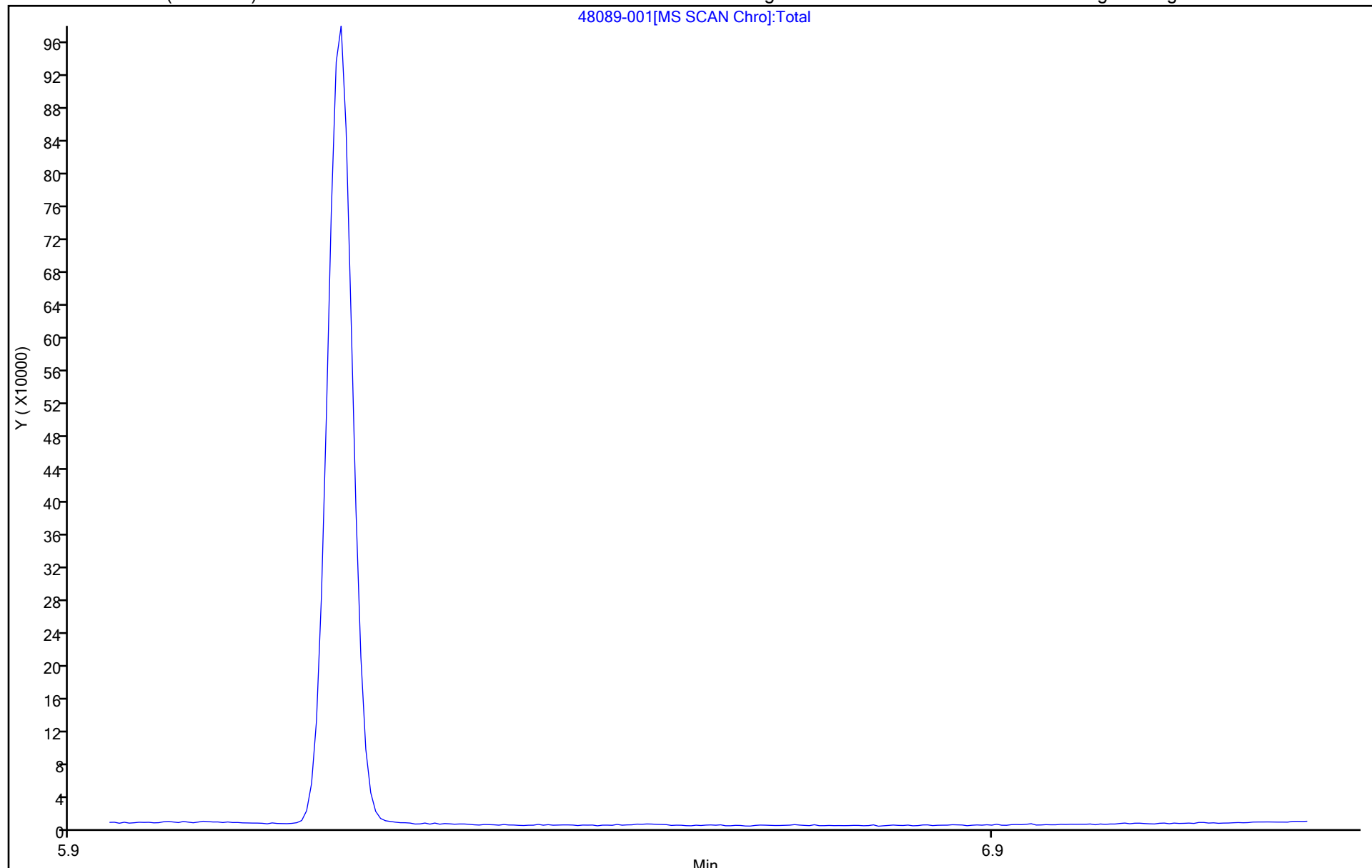
Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

48089-001[MS SCAN Chro]:Total



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-001.d
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 25-Oct-2021 07:33:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0048130-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Oct-2021 08:12:07 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: bourdeaut

Date: 25-Oct-2021 09:25:44

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

* 39 Chlorobromomethane	128		11.386				10.0	ND
* 49 1,4-Difluorobenzene	114		13.231				10.0	ND
* 70 Chlorobenzene-d5	117		18.720				10.0	ND

QC Flag Legend

Processing Flags

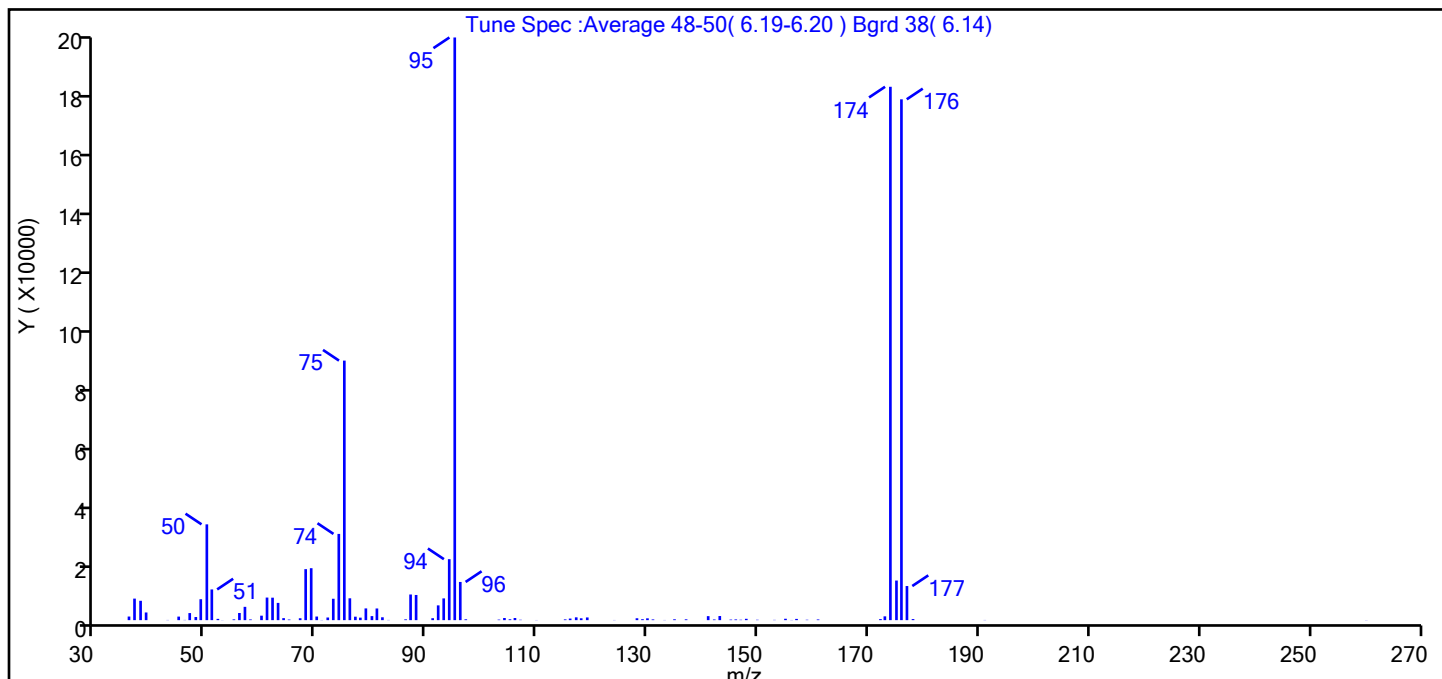
Reagents:

ATTO15WISs_00009 Amount Added: 20.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-001.d
Injection Date: 25-Oct-2021 07:33:30 Instrument ID: CHW.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

12 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	16.4
75	30.0 to 66.0 Percent of m/e 95	44.5
96	5.0 to 9.0 Percent of m/e 95	6.6
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	91.5
175	4.0 to 9.0 Percent of m/e 174	6.8 (7.4)
176	93.0 to 101.0 Percent of m/e 174	89.4 (97.7)
177	5.0 to 9.0 Percent of m/e 176	5.9 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-001.d\TO15_TO3_MasterMethod_W.rs
 Injection Date: 25-Oct-2021 07:33:30
 Spectrum: Tune Spec :Average 48-50(6.19-6.20) Bgrd 38(6.14)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1180	67.00	621	95.00	190592	143.00	1348
37.00	7044	68.00	16680	96.00	12494	145.00	182
38.00	6329	69.00	16992	97.00	277	146.00	236
39.00	2511	70.00	1181	103.00	176	147.00	130
43.00	64	71.00	51	104.00	700	148.00	436
45.00	1158	72.00	862	105.00	287	150.00	128
46.00	74	73.00	6997	106.00	698	153.00	88
47.00	2313	74.00	28208	107.00	124	155.00	456
48.00	1022	75.00	84896	110.00	51	156.00	56
49.00	6843	76.00	7146	115.00	248	157.00	404
50.00	31336	77.00	1131	116.00	519	159.00	131
51.00	10045	78.00	820	117.00	918	161.00	229
52.00	417	79.00	3837	118.00	608	172.00	338
53.00	33	80.00	1320	119.00	883	173.00	1243
55.00	256	81.00	3816	124.00	55	174.00	174464
56.00	2338	82.00	937	128.00	615	175.00	12953
57.00	4351	83.00	66	129.00	305	176.00	170368
58.00	232	86.00	255	130.00	595	177.00	11159
60.00	1460	87.00	8389	131.00	237	178.00	350
61.00	7386	88.00	8234	133.00	58	191.00	60
62.00	7347	91.00	637	135.00	281	260.00	43
63.00	5640	92.00	4831	137.00	269		
64.00	659	93.00	7113	141.00	1309		
65.00	200	94.00	19944	142.00	221		

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-001.d

Injection Date: 25-Oct-2021 07:33:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

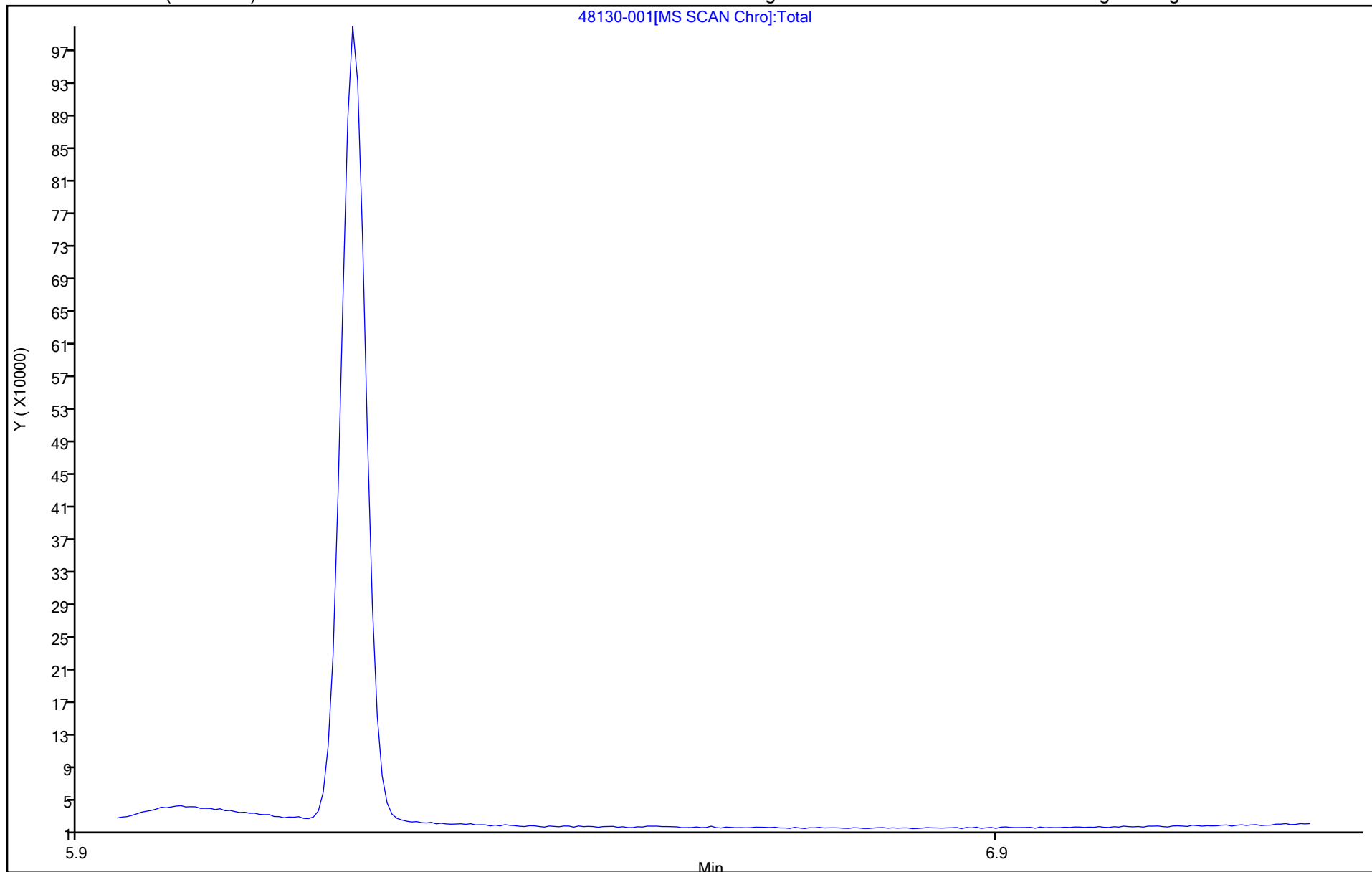
ALS Bottle#: 1

Method: TO15_TO3_MasterMethod_W

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: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: MB 200-173045/4
 Matrix: Air Lab File ID: 48130-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 10:09
 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.: 173045 Units: ppb v/v

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: MB 200-173045/4
 Matrix: Air Lab File ID: 48130-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 10:09
 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.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.20
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.50
108-88-3	Toluene	92.14	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.50
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	0.70
100-42-5	Styrene	104.15	0.20	U	0.20	0.20
75-25-2	Bromoform	252.75	0.20	U	0.20	0.20
98-82-8	Cumene	120.19	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: MB 200-173045/4
 Matrix: Air Lab File ID: 48130-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 10:09
 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.: 173045 Units: ppb v/v

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: MB 200-173045/4
 Matrix: Air Lab File ID: 48130-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 10:09
 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.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	2.5
75-45-6	Freon 22	86.47	1.8	U	1.8	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	1.4
74-87-3	Chloromethane	50.49	1.0	U	1.0	1.0
106-97-8	n-Butane	58.12	1.2	U	1.2	1.2
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.51
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.44
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.78
75-00-3	Chloroethane	64.52	1.3	U	1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.87
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	1.1
76-13-1	Freon TF	187.38	1.5	U	1.5	1.5
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.79
67-64-1	Acetone	58.08	12	U	12	12
67-63-0	Isopropyl alcohol	60.10	12	U	12	12
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	1.6
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	1.6
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	1.7
75-65-0	tert-Butyl alcohol	74.12	15	U	15	15
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
110-54-3	n-Hexane	86.17	1.8	U	1.8	1.8
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.81
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	1.6
67-66-3	Chloroform	119.38	0.98	U	0.98	0.98
109-99-9	Tetrahydrofuran	72.11	15	U	15	15
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	1.1
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.69
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.93
71-43-2	Benzene	78.11	0.64	U	0.64	0.64
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.81

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: MB 200-173045/4
 Matrix: Air Lab File ID: 48130-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 10:09
 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.: 173045 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.82
79-01-6	Trichloroethene	131.39	1.1	U	1.1	1.1
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	2.0
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.92
123-91-1	1,4-Dioxane	88.11	18	U	18	18
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	2.0
108-88-3	Toluene	92.14	0.75	U	0.75	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	1.1
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	2.0
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	1.7
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	1.5
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.92
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.87
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	2.2
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.87
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	3.0
100-42-5	Styrene	104.15	0.85	U	0.85	0.85
75-25-2	Bromoform	252.75	2.1	U	2.1	2.1
98-82-8	Cumene	120.19	0.98	U	0.98	0.98
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	1.4
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.98
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.98
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	1.0
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.98
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	1.1
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	1.2

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: MB 200-173045/4
 Matrix: Air Lab File ID: 48130-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 10:09
 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.: 173045 Units: ug/m3

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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 25-Oct-2021 10:09:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048130-004
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Oct-2021 08:15:22 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: puangmaleek

Date: 26-Oct-2021 08:15:22

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		4.115					ND	7
2 Dichlorodifluoromethane	85		4.212					ND	
3 Chlorodifluoromethane	51		4.260					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.586					ND	
5 Chloromethane	50		4.693					ND	
6 Vinyl chloride	62		5.009					ND	
7 Butane	43		5.014					ND	7
8 Butadiene	54		5.132					ND	
9 Bromomethane	94		5.849					ND	
10 Chloroethane	64		6.127					ND	
11 2-Methylbutane	43		6.341					ND	
13 Vinyl bromide	106		6.550					ND	
14 Trichlorofluoromethane	101		6.715					ND	
15 Pentane	43		6.924					ND	
16 Ethanol	45		7.111					ND	
18 Ethyl ether	59		7.357					ND	
19 Acrolein	56		7.587					ND	
20 1,1-Dichloroethene	96		7.780					ND	
21 112TCTFE	101		7.823					ND	
22 Acetone	43		7.876					ND	
24 Isopropyl alcohol	45		8.181					ND	
23 Carbon disulfide	76	8.197	8.187	0.010	94	876		0.0257	
25 Acetonitrile	41		8.363					ND	
26 3-Chloro-1-propene	41		8.481					ND	
27 Methylene Chloride	49		8.711					ND	
28 2-Methyl-2-propanol	59		8.957					ND	
29 Acrylonitrile	53		9.112					ND	
30 trans-1,2-Dichloroethene	61		9.214					ND	
31 Methyl tert-butyl ether	73		9.235					ND	
32 Hexane	57		9.722					ND	
33 1,1-Dichloroethane	63		9.979					ND	
34 Vinyl acetate	43		9.995					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
37 2-Butanone (MEK)	72		10.952					ND	
36 cis-1,2-Dichloroethene	96		10.974					ND	
38 Ethyl acetate	88		11.043					ND	
* 39 Chlorobromomethane	128	11.380	11.386	-0.006	68	90845	10.0	10.0	
40 Tetrahydrofuran	42		11.445					ND	
41 Chloroform	83		11.562					ND	
42 1,1,1-Trichloroethane	97		11.867					ND	
43 Cyclohexane	84		12.006					ND	
44 Carbon tetrachloride	117		12.151					ND	
45 Benzene	78		12.493					ND	
46 1,2-Dichloroethane	62		12.568					ND	
47 Isooctane	57		12.712					ND	
48 n-Heptane	43		13.023					ND	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	426285	10.0	10.0	
50 n-Butanol	56		13.472					ND	7
51 Trichloroethene	95		13.665					ND	
A 52 GRO	1	14.053	(6.331-21.774)		0	884388		0	
53 1,2-Dichloropropane	63		14.125					ND	
55 Methyl methacrylate	69		14.216					ND	
57 1,4-Dioxane	88		14.269					ND	
56 Dibromomethane	174		14.280					ND	7
58 Dichlorobromomethane	83		14.590					ND	
A 59 TVOC as Toluene	1	15.379	(4.105-26.653)		0	1019944		0	
60 cis-1,3-Dichloropropene	75		15.398					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.665					ND	
62 Toluene	92		16.035					ND	
63 n-Octane	43		16.291					ND	
64 trans-1,3-Dichloropropene	75		16.452					ND	
65 1,1,2-Trichloroethane	83		16.826					ND	
66 Tetrachloroethene	166		17.030					ND	
67 2-Hexanone	43		17.249					ND	
68 Chlorodibromomethane	129		17.565					ND	
69 Ethylene Dibromide	107		17.805					ND	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	82	335606	10.0	10.0	
72 Chlorobenzene	112		18.774					ND	
73 Ethylbenzene	91		18.972					ND	7
74 m-Xylene & p-Xylene	106		19.234					ND	
75 n-Nonane	57		19.298					ND	
76 o-Xylene	106		20.004					ND	
77 Styrene	104		20.042					ND	7
S 78 Xylenes, Total	106		20.100					ND	7
79 Bromoform	173		20.395					ND	7
80 Isopropylbenzene	105		20.716					ND	7
81 1,1,2,2-Tetrachloroethane	83		21.235					ND	7
82 1,2,3-Trichloropropane	75		21.331					ND	
83 N-Propylbenzene	91		21.438					ND	U
84 2-Chlorotoluene	91		21.582					ND	U
85 4-Ethyltoluene	105		21.636					ND	U
86 1,3,5-Trimethylbenzene	105		21.732					ND	7
87 n-Decane	57		21.764					ND	
88 Alpha Methyl Styrene	118	22.064	22.058	0.006	1	399		0.0173	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 tert-Butylbenzene	119		22.214					ND	
90 1,2,4-Trimethylbenzene	105		22.299					ND	U
91 sec-Butylbenzene	105		22.540					ND	7
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	85	1256		0.0424	
93 4-Isopropyltoluene	119		22.754					ND	7
94 1,4-Dichlorobenzene	146	22.855	22.855	0.000	93	1213		0.0451	
95 Benzyl chloride	91		23.000					ND	U
96 n-Butylbenzene	91	23.310	23.310	0.000	88	1048		0.0248	
97 1,2-Dichlorobenzene	146	23.342	23.337	0.005	95	1566		0.0514	
98 Undecane	57		23.460					ND	
99 Dodecane	57		25.033					ND	
100 1,2,4-Trichlorobenzene	180	25.766	25.760	0.006	89	1508		0.0981	
101 Hexachlorobutadiene	225		26.006					ND	U
102 Naphthalene	128	26.242	26.236	0.006	96	3516		0.1098	
103 1,2,3-Trichlorobenzene	180	26.638	26.643	-0.005	81	1308		0.0742	
107 Chlorotrifluoroethene TIC	1		0.000					ND	
108 Difluoroethane TIC	1		0.000					ND	
109 Total Alkanes TIC	1		0.000					ND	
110 Freon 115 TIC	1		0.000					ND	
111 1,1,1-Trifluoro-2,2-dichloroetha 1			0.000					ND	
112 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 26-Oct-2021 08:15:23

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d

Injection Date: 25-Oct-2021 10:09:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

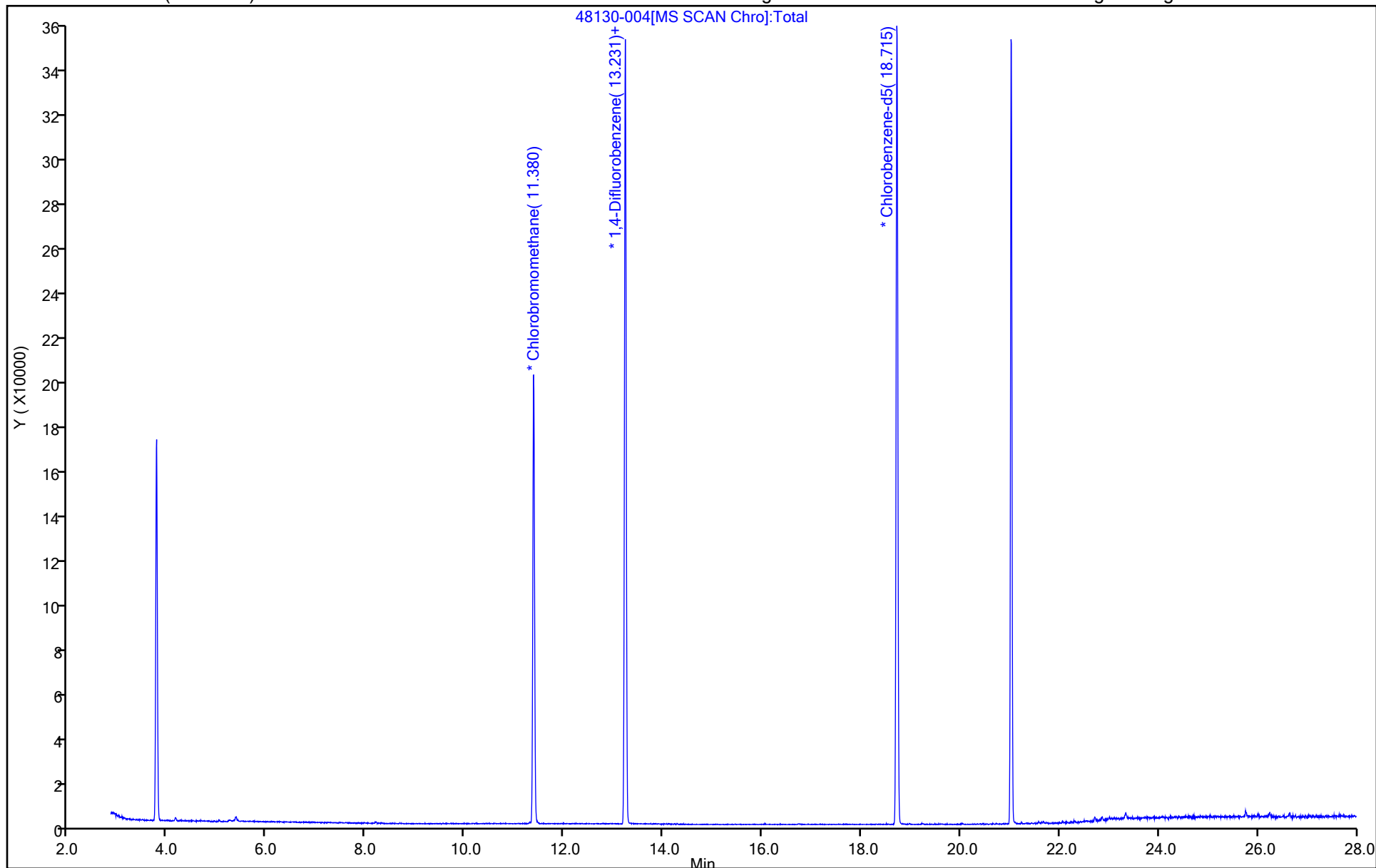
ALS Bottle#: 3

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

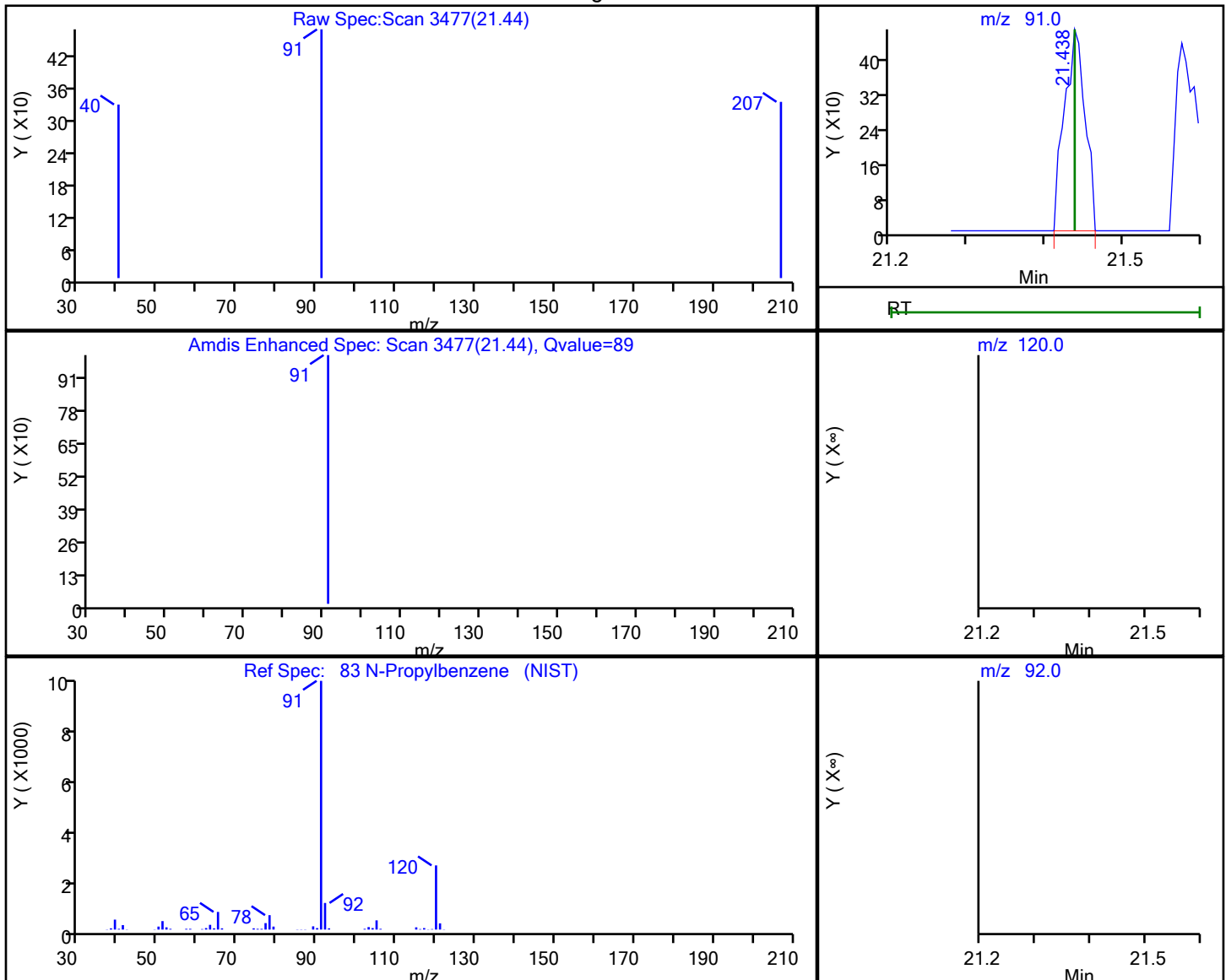


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
Injection Date: 25-Oct-2021 10:09:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

83 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
21.44	91.00	860	0.014073
21.44	120.00	0	
21.44	92.00	0	

Reviewer: puangmaleek, 26-Oct-2021 08:14:45

Audit Action: Marked Compound Undetected

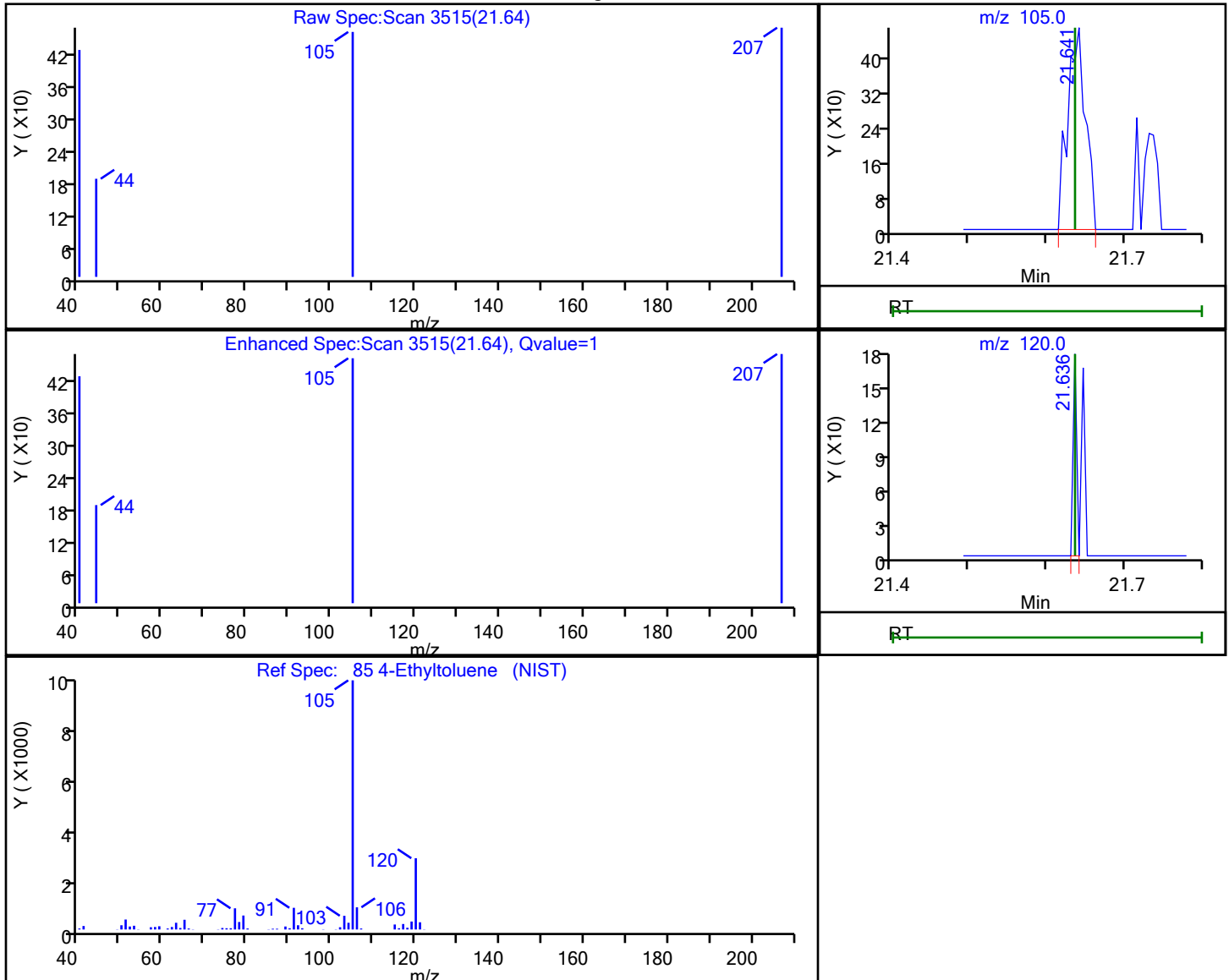
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Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
Injection Date: 25-Oct-2021 10:09:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

85 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
21.64	105.00	738	0.013912
21.64	120.00	56	

Reviewer: puangmaleek, 26-Oct-2021 08:14:50

Audit Action: Marked Compound Undetected

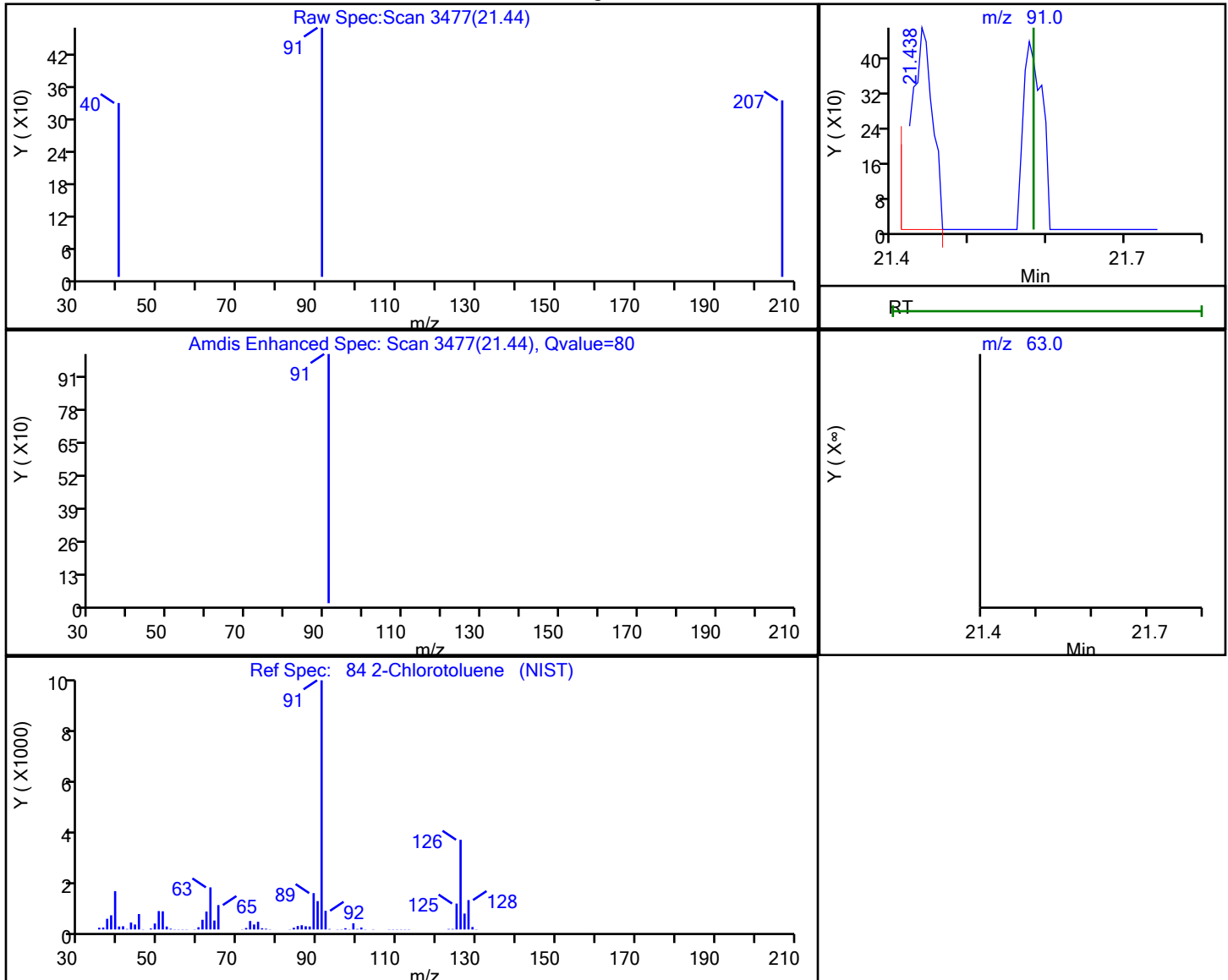
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
Injection Date: 25-Oct-2021 10:09:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

84 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.44	91.00	860	0.021532
21.58	63.00	0	

Reviewer: puangmaleek, 26-Oct-2021 08:14:47

Audit Action: Marked Compound Undetected

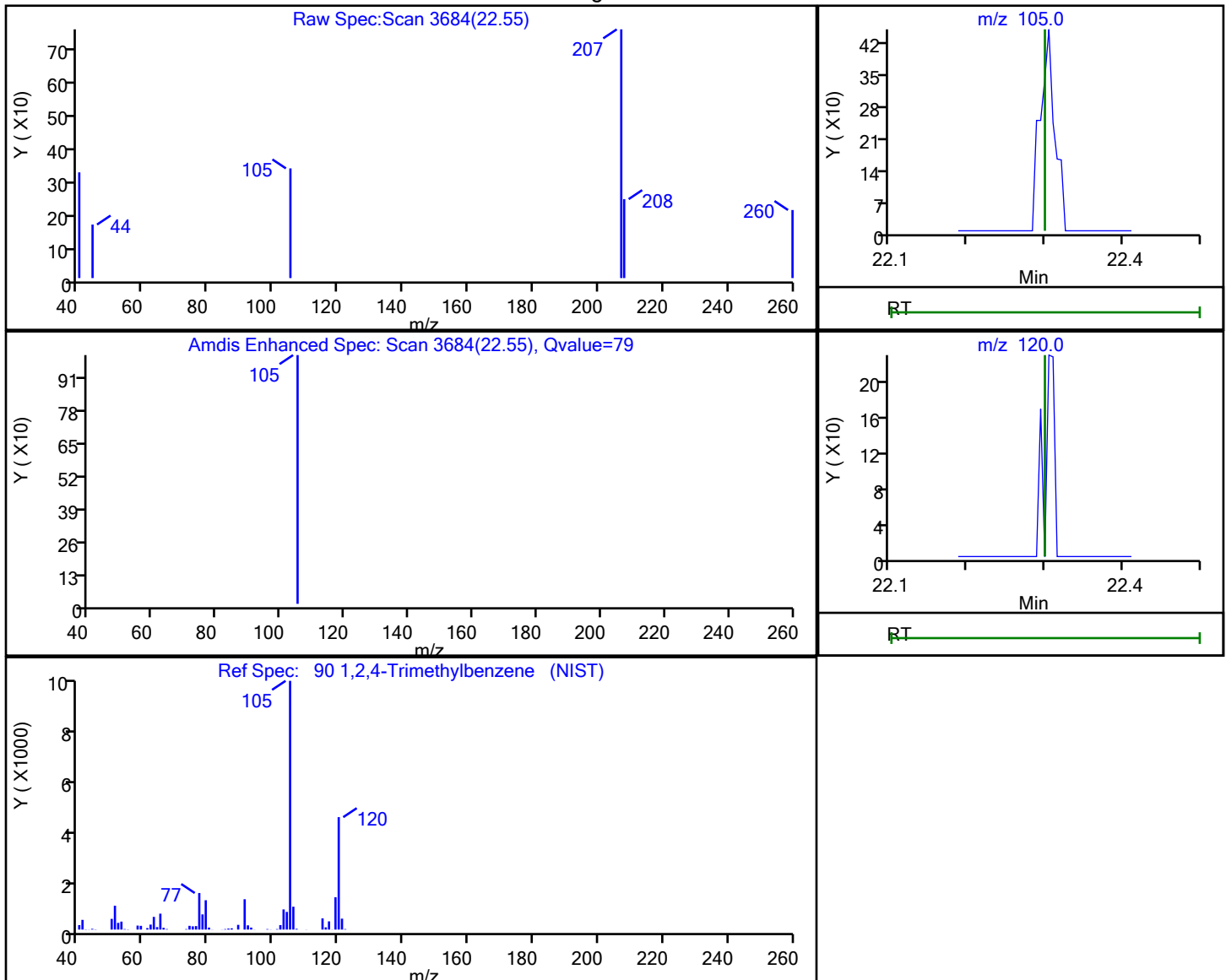
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
Injection Date: 25-Oct-2021 10:09:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
22.55	105.00	458	0.010260
22.30	120.00	0	

Reviewer: puangmaleek, 26-Oct-2021 08:14:55

Audit Action: Marked Compound Undetected

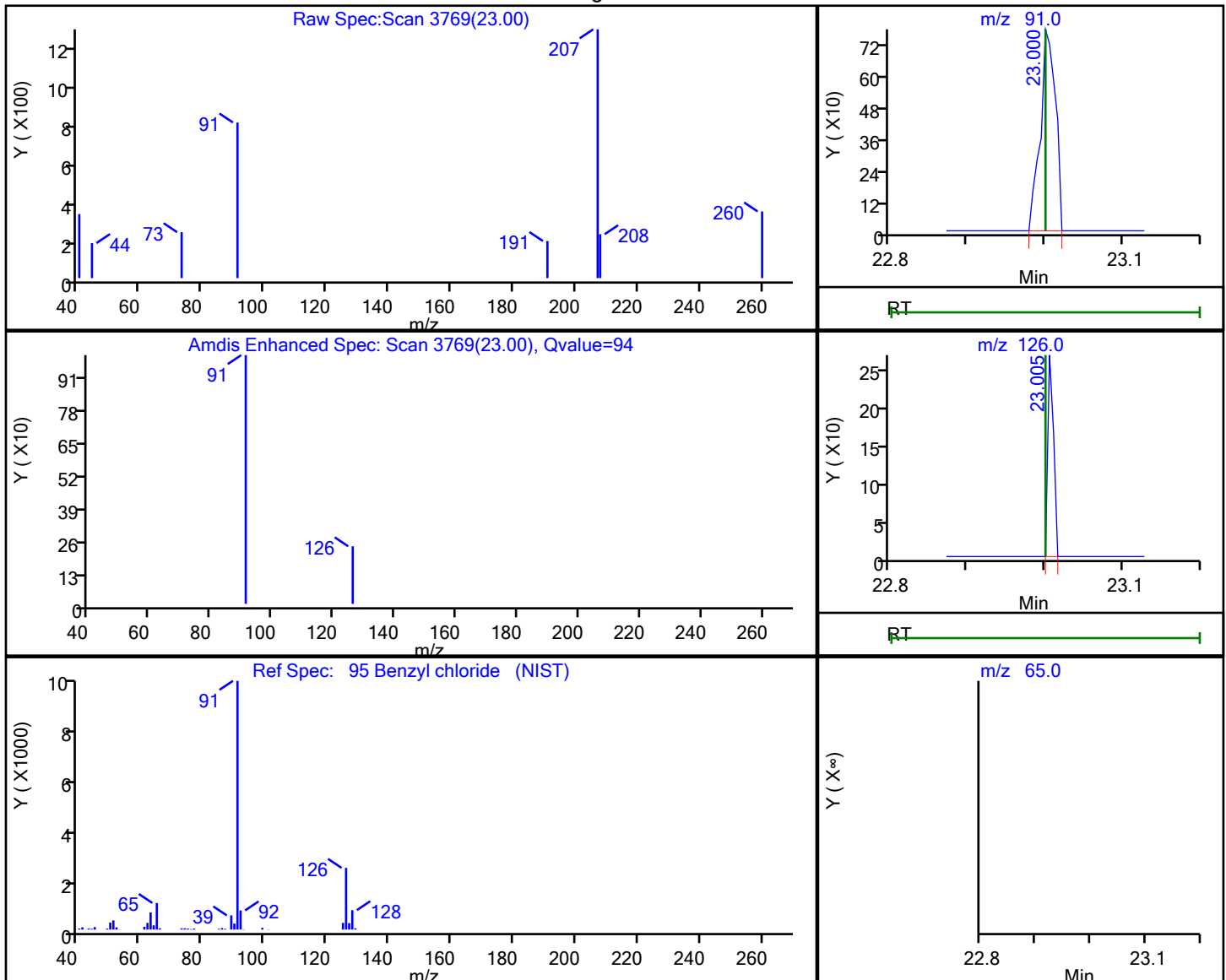
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
Injection Date: 25-Oct-2021 10:09:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
23.00	91.00	1052	0.039261
23.01	126.00	139	
23.00	65.00	0	

Reviewer: puangmaleek, 26-Oct-2021 08:15:04

Audit Action: Marked Compound Undetected

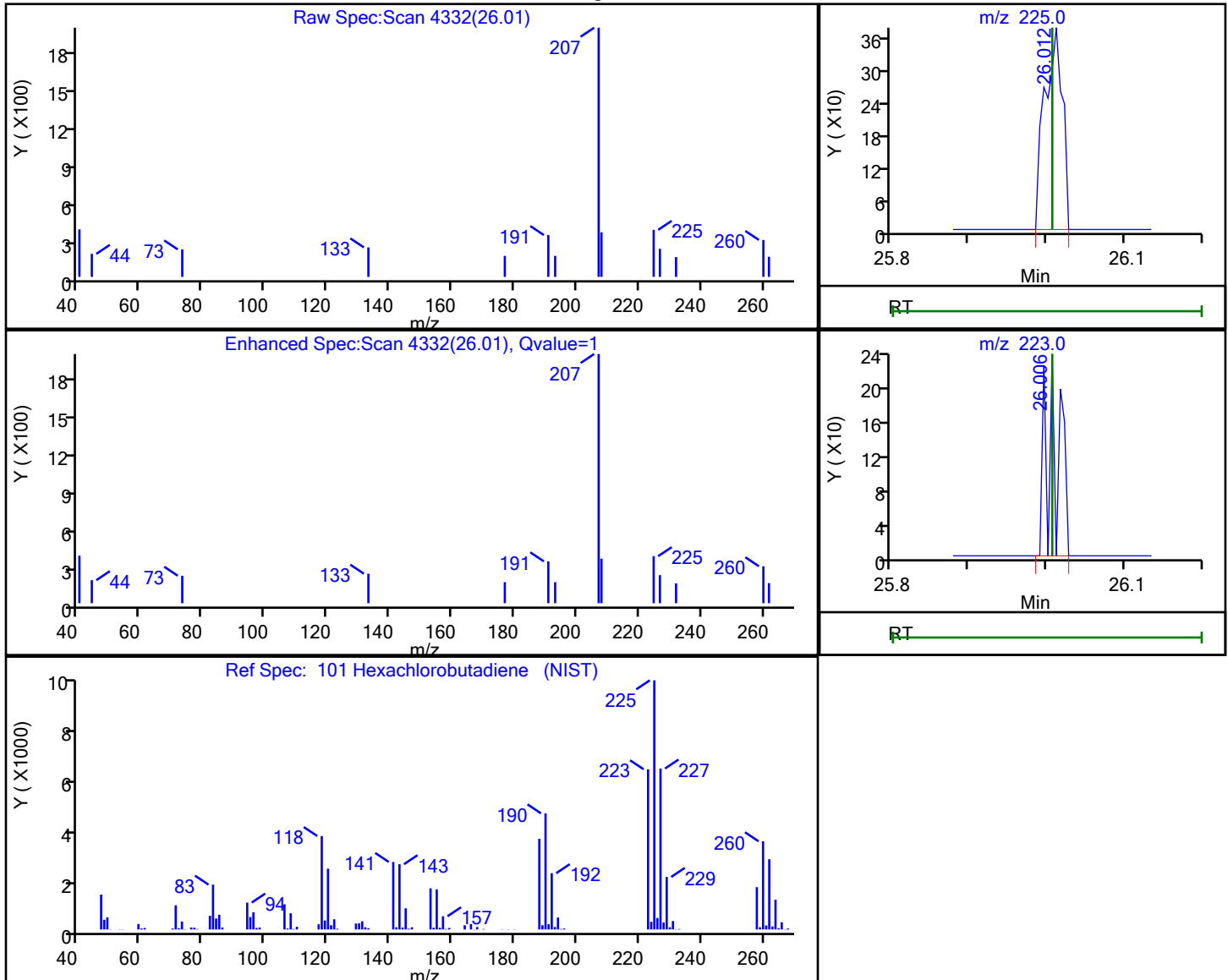
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-004.d
Injection Date: 25-Oct-2021 10:09:30 Instrument ID: CHW.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

101 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
26.01	225.00	593	0.018051
26.01	223.00	261	

Reviewer: puangmaleek, 26-Oct-2021 08:15:14

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-173045/3
 Matrix: Air Lab File ID: 48130-003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 09:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	12.9		0.50	0.50
75-45-6	Freon 22	86.47	12.2		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	12.6		0.20	0.20
74-87-3	Chloromethane	50.49	12.4		0.50	0.50
106-97-8	n-Butane	58.12	10.2		0.50	0.50
75-01-4	Vinyl chloride	62.50	10.7		0.20	0.20
106-99-0	1,3-Butadiene	54.09	9.43		0.20	0.20
74-83-9	Bromomethane	94.94	11.8		0.20	0.20
75-00-3	Chloroethane	64.52	11.1		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	11.6		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	11.9		0.20	0.20
76-13-1	Freon TF	187.38	10.9		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	10.3		0.20	0.20
67-64-1	Acetone	58.08	10.0		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	10.1		5.0	5.0
75-15-0	Carbon disulfide	76.14	9.92		0.50	0.50
107-05-1	3-Chloropropene	76.53	10.8		0.50	0.50
75-09-2	Methylene Chloride	84.93	9.93		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	10.9		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	10.8		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.4		0.20	0.20
110-54-3	n-Hexane	86.17	10.1		0.50	0.50
75-34-3	1,1-Dichloroethane	98.96	9.50		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	10.4		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	10.0		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	20.4		0.40	0.40
67-66-3	Chloroform	119.38	10.2		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	9.71		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	11.2		0.20	0.20
110-82-7	Cyclohexane	84.16	10.3		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	11.4		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	10.5		0.20	0.20
71-43-2	Benzene	78.11	10.1		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	11.4		0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-173045/3
 Matrix: Air Lab File ID: 48130-003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 09:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
142-82-5	n-Heptane	100.21	10.3		0.20	0.20
79-01-6	Trichloroethene	131.39	11.8		0.20	0.20
80-62-6	Methyl methacrylate	100.12	10.7		0.50	0.50
78-87-5	1,2-Dichloropropane	112.99	10.1		0.20	0.20
123-91-1	1,4-Dioxane	88.11	11.1		5.0	5.0
75-27-4	Bromodichloromethane	163.83	11.1		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	11.0		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	10.7		0.50	0.50
108-88-3	Toluene	92.14	10.4		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	10.9		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	10.3		0.20	0.20
127-18-4	Tetrachloroethene	165.83	11.0		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.2		0.50	0.50
124-48-1	Dibromochloromethane	208.28	10.2		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	11.1		0.20	0.20
108-90-7	Chlorobenzene	112.56	10.8		0.20	0.20
100-41-4	Ethylbenzene	106.17	10.8		0.20	0.20
179601-23-1	m,p-Xylene	106.17	23.3		0.50	0.50
95-47-6	Xylene, o-	106.17	11.1		0.20	0.20
1330-20-7	Xylene (total)	106.17	34.4		0.70	0.70
100-42-5	Styrene	104.15	11.9		0.20	0.20
75-25-2	Bromoform	252.75	10.4		0.20	0.20
98-82-8	Cumene	120.19	11.6		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.88		0.20	0.20
103-65-1	n-Propylbenzene	120.19	11.8		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	11.8		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	12.0		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	11.5		0.20	0.20
98-06-6	tert-Butylbenzene	134.22	12.0		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	12.4		0.20	0.20
135-98-8	sec-Butylbenzene	134.22	12.1		0.20	0.20
99-87-6	4-Isopropyltoluene	134.22	12.3		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	13.2		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	13.3		0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
 SDG No.: 200-60507-1
 Client Sample ID: _____ Lab Sample ID: LCS 200-173045/3
 Matrix: Air Lab File ID: 48130-003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/25/2021 09:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 173045 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
100-44-7	Benzyl chloride	126.58	13.1		0.20	0.20
104-51-8	n-Butylbenzene	134.22	13.3		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	12.4		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	13.7		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	13.6		0.20	0.20
91-20-3	Naphthalene	128.17	13.1		0.50	0.50

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-003.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 25-Oct-2021 09:17:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048130-003
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Oct-2021 08:13:28 Calib Date: 21-Oct-2021 09:19:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20211020-48067.b\48067-021.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: puangmaleek

Date: 26-Oct-2021 08:14:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.121	4.115	0.006	99	172576	10.1	11.7	
2 Dichlorodifluoromethane	85	4.217	4.212	0.005	99	734763	10.6	12.9	
3 Chlorodifluoromethane	51	4.265	4.260	0.005	97	352805	10.6	12.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.591	4.586	0.005	97	784088	10.6	12.6	
5 Chloromethane	50	4.698	4.693	0.005	99	200502	9.94	12.4	
6 Vinyl chloride	62	5.014	5.009	0.005	98	177454	9.99	10.7	
7 Butane	43	5.019	5.014	0.005	97	195936	10.3	10.2	
8 Butadiene	54	5.132	5.132	0.000	93	112964	9.70	9.43	
9 Bromomethane	94	5.854	5.849	0.005	99	245341	10.4	11.8	
12 BFB									
10 Chloroethane	64	6.127	6.127	0.000	98	101939	10.6	11.1	
11 2-Methylbutane	43	6.341	6.341	0.000	88	160099	10.4	10.4	
13 Vinyl bromide	106	6.549	6.550	-0.001	99	229356	10.0	11.6	
14 Trichlorofluoromethane	101	6.715	6.715	0.000	98	522678	10.4	11.9	
15 Pentane	43	6.924	6.924	0.000	99	199410	10.2	10.1	
16 Ethanol	45	7.111	7.111	0.000	98	57881	14.7	13.2	
18 Ethyl ether	59	7.363	7.357	0.006	90	91760	10.2	10.3	
19 Acrolein	56	7.587	7.587	0.000	96	42972	9.71	9.04	
20 1,1-Dichloroethene	96	7.780	7.780	0.000	93	164266	10.2	10.3	
21 112TCTFE	101	7.823	7.823	0.000	93	355313	10.7	10.9	
22 Acetone	43	7.876	7.876	0.000	96	142463	10.4	10.0	
24 Isopropyl alcohol	45	8.181	8.181	0.000	100	145803	10.2	10.1	
23 Carbon disulfide	76	8.186	8.187	-0.001	99	367061	10.4	9.92	
25 Acetonitrile	41	8.363	8.363	0.000	98	49933	9.72	9.27	
26 3-Chloro-1-propene	41	8.481	8.481	0.000	95	96535	10.7	10.8	
27 Methylene Chloride	49	8.711	8.711	0.000	79	92194	10.2	9.93	
28 2-Methyl-2-propanol	59	8.957	8.957	0.000	93	194981	10.8	10.9	
29 Acrylonitrile	53	9.112	9.112	0.000	92	52638	10.2	9.62	
30 trans-1,2-Dichloroethene	61	9.214	9.214	0.000	90	142242	10.3	10.4	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	95	330010	10.6	10.8	
32 Hexane	57	9.722	9.722	0.000	89	127958	10.5	10.1	
33 1,1-Dichloroethane	63	9.979	9.979	0.000	99	165590	10.3	9.50	

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	9.995	9.995	0.000	99	132551	10.1	7.32	
S 35 1,2-Dichloroethene, Total	61				0		20.0	20.4	
37 2-Butanone (MEK)	72	10.947	10.952	-0.005	96	50166	10.4	10.4	
36 cis-1,2-Dichloroethene	96	10.968	10.974	-0.006	86	129603	10.4	10.0	
38 Ethyl acetate	88	11.043	11.043	0.000	98	10359	10.2	10.8	
* 39 Chlorobromomethane	128	11.386	11.386	0.000	69	98567	10.0	10.0	
40 Tetrahydrofuran	42	11.439	11.445	-0.006	78	71477	9.81	9.71	
41 Chloroform	83	11.562	11.562	0.000	95	254562	10.3	10.2	
42 1,1,1-Trichloroethane	97	11.867	11.867	0.000	93	306237	10.3	11.2	
43 Cyclohexane	84	12.006	12.006	0.000	91	152695	10.2	10.3	
44 Carbon tetrachloride	117	12.151	12.151	0.000	97	343309	10.0	11.4	
45 Benzene	78	12.493	12.493	0.000	94	331171	10.4	10.1	
46 1,2-Dichloroethane	62	12.568	12.568	0.000	99	156012	10.5	11.4	
47 Isooctane	57	12.712	12.712	0.000	97	419058	10.1	10.5	
48 n-Heptane	43	13.023	13.023	0.000	82	130063	10.3	10.3	
* 49 1,4-Difluorobenzene	114	13.231	13.231	0.000	92	441273	10.0	10.0	
50 n-Butanol	56	13.477	13.472	0.005	85	54336	9.11	9.75	
51 Trichloroethene	95	13.665	13.665	0.000	95	191184	10.3	11.8	
A 52 GRO	1	14.053	(6.331-21.774)		0	53006756	649.9	0	
53 1,2-Dichloropropane	63	14.125	14.125	0.000	86	98937	10.3	10.1	
55 Methyl methacrylate	69	14.216	14.216	0.000	90	107591	10.2	10.7	
57 1,4-Dioxane	88	14.269	14.269	0.000	84	72472	10.3	11.1	
56 Dibromomethane	174	14.280	14.280	0.000	87	250176	10.3	12.1	
58 Dichlorobromomethane	83	14.590	14.590	0.000	98	273530	10.3	11.1	
A 59 TVOC as Toluene	1	15.379	(4.105-26.653)		0	86950349	899.8	0	
60 cis-1,3-Dichloropropene	75	15.393	15.398	-0.006	90	209230	9.94	11.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.665	15.665	0.000	90	170060	10.2	10.7	
62 Toluene	92	16.034	16.035	-0.001	93	275109	10.2	10.4	
63 n-Octane	43	16.291	16.291	0.000	79	180311	10.3	10.5	
64 trans-1,3-Dichloropropene	75	16.452	16.452	0.000	95	185159	9.85	10.9	
65 1,1,2-Trichloroethane	83	16.826	16.826	0.000	94	121419	10.5	10.3	
66 Tetrachloroethene	166	17.030	17.030	0.000	95	335993	10.5	11.0	
67 2-Hexanone	43	17.249	17.249	0.000	98	150373	10.1	10.2	
68 Chlorodibromomethane	129	17.564	17.565	-0.001	97	341026	10.6	10.2	
69 Ethylene Dibromide	107	17.805	17.805	0.000	99	253157	10.7	11.1	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	82	389711	10.0	10.0	
72 Chlorobenzene	112	18.774	18.774	0.000	98	410525	10.5	10.8	
73 Ethylbenzene	91	18.971	18.972	-0.001	97	622146	10.2	10.8	
74 m-Xylene & p-Xylene	106	19.239	19.234	0.005	0	504031	20.0	23.3	
75 n-Nonane	57	19.298	19.298	0.000	82	204240	10.5	11.3	
76 o-Xylene	106	20.009	20.004	0.005	99	252208	10.4	11.1	
77 Styrene	104	20.047	20.042	0.005	96	384353	10.3	11.9	
S 78 Xylenes, Total	106				0		30.0	34.4	
79 Bromoform	173	20.394	20.395	-0.001	98	324032	10.3	10.4	
80 Isopropylbenzene	105	20.715	20.716	-0.001	95	773094	10.5	11.6	
81 1,1,2,2-Tetrachloroethane	83	21.234	21.235	0.000	98	298942	10.3	9.88	
82 1,2,3-Trichloropropane	75	21.331	21.331	0.000	95	248704	10.6	11.0	
83 N-Propylbenzene	91	21.438	21.438	0.000	100	833996	10.4	11.8	
84 2-Chlorotoluene	91	21.582	21.582	0.000	96	532281	10.4	11.5	
85 4-Ethyltoluene	105	21.636	21.636	0.000	98	728796	10.2	11.8	
86 1,3,5-Trimethylbenzene	105	21.732	21.732	0.000	94	650689	10.5	12.0	
87 n-Decane	57	21.764	21.764	0.000	92	254004	10.3	11.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 Alpha Methyl Styrene	118	22.058	22.058	0.000	91	336645	10.2	12.6	
89 tert-Butylbenzene	119	22.213	22.214	-0.001	94	674600	10.4	12.0	
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	97	644635	10.4	12.4	
91 sec-Butylbenzene	105	22.540	22.540	0.000	98	929982	10.5	12.1	
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	95	455041	10.2	13.2	
93 4-Isopropyltoluene	119	22.754	22.754	0.000	97	827230	10.5	12.3	
94 1,4-Dichlorobenzene	146	22.855	22.855	0.000	97	414970	10.4	13.3	
95 Benzyl chloride	91	23.000	23.000	0.000	100	407745	10.2	13.1	
96 n-Butylbenzene	91	23.310	23.310	0.000	97	649918	10.5	13.3	
97 1,2-Dichlorobenzene	146	23.337	23.337	0.000	99	439577	10.8	12.4	
98 Undecane	57	23.460	23.460	0.000	89	267591	10.7	11.6	
99 Dodecane	57	25.033	25.033	0.000	96	155859	10.6	9.71	
100 1,2,4-Trichlorobenzene	180	25.760	25.760	0.000	94	243749	11.0	13.7	
101 Hexachlorobutadiene	225	26.006	26.006	0.000	94	518340	10.8	13.6	
102 Naphthalene	128	26.236	26.236	0.000	99	485581	10.5	13.1	
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	96	229743	10.9	11.2	

QC Flag Legend

Processing Flags

Reagents:

ATTO15LCSW_00831

Amount Added: 200.00

Units: mL

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 26-Oct-2021 08:14:11

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20211025-48130.b\48130-003.d

Injection Date: 25-Oct-2021 09:17:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

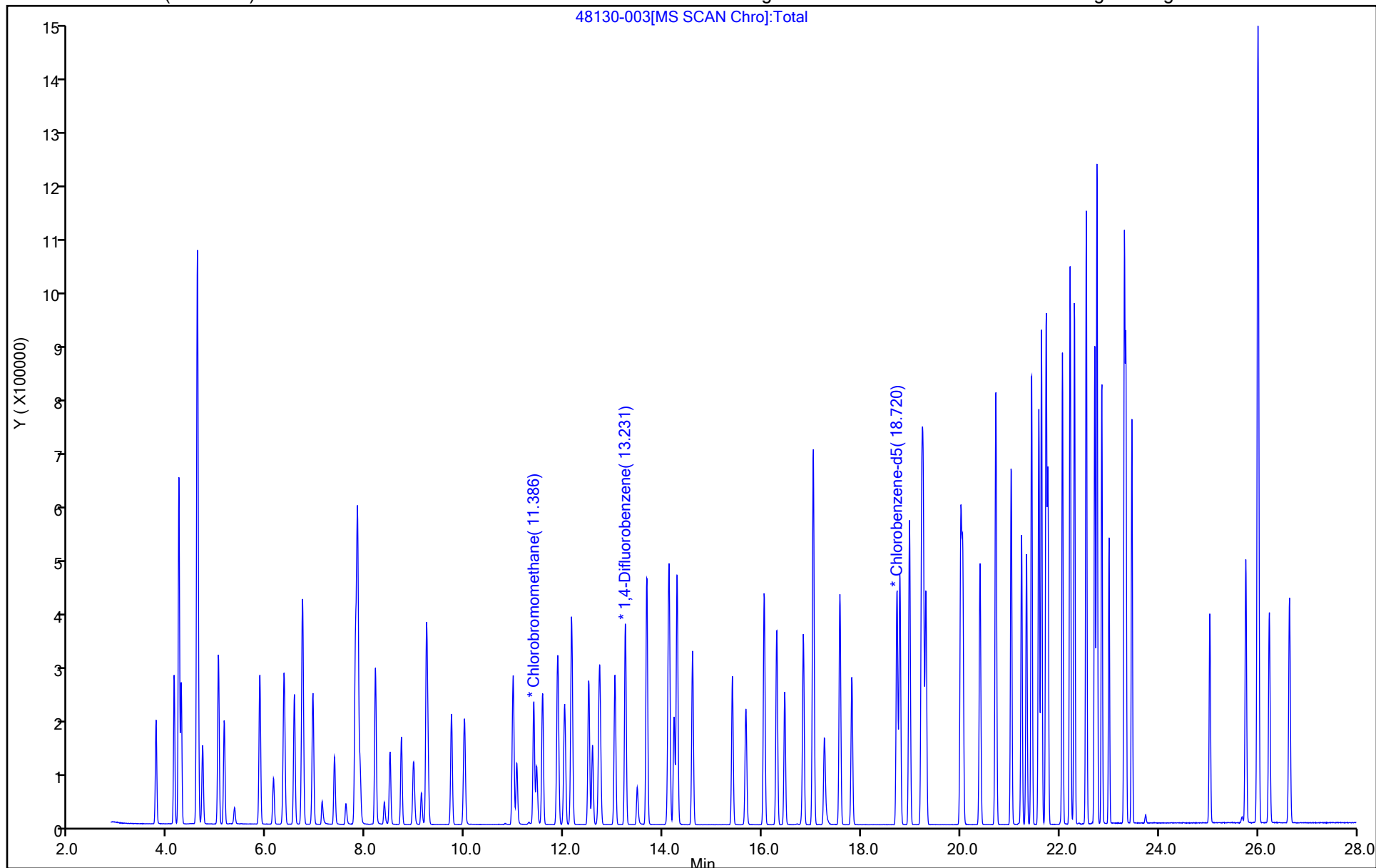
ALS Bottle#: 2

Method: TO15_TO3_MasterMethod_W

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: Eurofins TestAmerica, BurlingtonJob No.: 200-60507-1SDG No.: 200-60507-1Instrument ID: CHW.iStart Date: 10/20/2021 09:29Analysis Batch Number: 172887End Date: 10/21/2021 09:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-172887/1		10/20/2021 09:29	1	48067-001.d	RTX-624 0.32 (mm)
IC 200-172887/3		10/20/2021 11:14	1	48067-003.d	RTX-624 0.32 (mm)
IC 200-172887/4		10/20/2021 12:07	1	48067-004.d	RTX-624 0.32 (mm)
IC 200-172887/7		10/20/2021 14:46	1	48067-007.d	RTX-624 0.32 (mm)
ICIS 200-172887/8		10/20/2021 15:39	1	48067-008.d	RTX-624 0.32 (mm)
IC 200-172887/12		10/20/2021 19:10	1	48067-012.d	RTX-624 0.32 (mm)
IC 200-172887/13		10/20/2021 20:02	1	48067-013.d	RTX-624 0.32 (mm)
IC 200-172887/14		10/20/2021 20:55	1	48067-014.d	RTX-624 0.32 (mm)
ZZZZZ		10/20/2021 22:39	1		RTX-624 0.32 (mm)
IC 200-172887/21		10/21/2021 09:19	1	48067-021.d	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BurlingtonJob No.: 200-60507-1SDG No.: 200-60507-1Instrument ID: CHW.iStart Date: 10/21/2021 10:58Analysis Batch Number: 172945End Date: 10/22/2021 05:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-172945/1		10/21/2021 10:58	1	48089-001.d	RTX-624 0.32 (mm)
ICV 200-172945/2		10/21/2021 11:49	1	48089-002.d	RTX-624 0.32 (mm)
CCVIS 200-172945/3		10/21/2021 12:42	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 13:36	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 14:29	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 15:22	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 16:15	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 17:09	10		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 18:02	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 18:55	13		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 19:48	1		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 20:41	10		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 21:34	7		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 22:27	34.6		RTX-624 0.32 (mm)
ZZZZZ		10/21/2021 23:21	1		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 00:14	2.98		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 01:07	1		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 02:01	1		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 02:54	1		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 03:47	1		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 04:41	1		RTX-624 0.32 (mm)
ZZZZZ		10/22/2021 05:34	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

SDG No.: 200-60507-1

Instrument ID: CHW.i

Start Date: 10/25/2021 07:33

Analysis Batch Number: 173045

End Date: 10/26/2021 04:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-173045/1		10/25/2021 07:33	1	48130-001.d	RTX-624 0.32 (mm)
CCVIS 200-173045/2		10/25/2021 08:24	1	48130-002.d	RTX-624 0.32 (mm)
LCS 200-173045/3		10/25/2021 09:17	1	48130-003.d	RTX-624 0.32 (mm)
MB 200-173045/4		10/25/2021 10:09	1	48130-004.d	RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 11:14	1		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 12:06	1		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 12:59	1		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 13:51	401		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 14:43	2060		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 15:35	800		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 16:27	4020		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 17:19	40		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 18:11	202		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 19:03	80.1		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 19:54	410		RTX-624 0.32 (mm)
200-60507-1	SS- GLARO	10/25/2021 20:46	20	48130-016.d	RTX-624 0.32 (mm)
200-60507-2	SS- MANUFACTURING	10/25/2021 21:38	1	48130-017.d	RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 22:31	1		RTX-624 0.32 (mm)
ZZZZZ		10/25/2021 23:23	20		RTX-624 0.32 (mm)
ZZZZZ		10/26/2021 00:15	99.3		RTX-624 0.32 (mm)
ZZZZZ		10/26/2021 01:07	13.9		RTX-624 0.32 (mm)
ZZZZZ		10/26/2021 01:59	70.7		RTX-624 0.32 (mm)
ZZZZZ		10/26/2021 02:51	10		RTX-624 0.32 (mm)
ZZZZZ		10/26/2021 03:43	130		RTX-624 0.32 (mm)
ZZZZZ		10/26/2021 04:35	1000		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-60507-1

SDG No.: 200-60507-1

Batch Number: 172887

Batch Start Date: 10/20/21 09:29

Batch Analyst: Pham, Vu T

Batch Method: TO-15

Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00234	ATTO15CAL3w 00240	ATTO15CAL4w 00772	ATTO15CAL6w 00194
BFB 200-172887/1		TO-15		200 mL	200 mL				
IC 200-172887/3		TO-15		200 mL	200 mL	32 mL			
IC 200-172887/4		TO-15		200 mL	200 mL	180 mL			
IC 200-172887/7		TO-15		200 mL	200 mL		180 mL		
ICIS 200-172887/8		TO-15		200 mL	200 mL			200 mL	
IC 200-172887/12		TO-15		200 mL	200 mL				150 mL
IC 200-172887/13		TO-15		200 mL	200 mL				200 mL
IC 200-172887/14		TO-15		200 mL	200 mL				
IC 200-172887/21		TO-15		200 mL	200 mL		18 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL7w 00111	ATTO15WISS 00009				
BFB 200-172887/1		TO-15			20 mL				
IC 200-172887/3		TO-15			20 mL				
IC 200-172887/4		TO-15			20 mL				
IC 200-172887/7		TO-15			20 mL				
ICIS 200-172887/8		TO-15			20 mL				
IC 200-172887/12		TO-15			20 mL				
IC 200-172887/13		TO-15			20 mL				
IC 200-172887/14		TO-15		200 mL	20 mL				
IC 200-172887/21		TO-15			20 mL				

Batch Notes

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-60507-1SDG No.: 200-60507-1Batch Number: 172887 Batch Start Date: 10/20/21 09:29 Batch Analyst: Pham, Vu TBatch Method: TO-15 Batch End Date: _____

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-60507-1

SDG No.: 200-60507-1

Batch Number: 172945 Batch Start Date: 10/21/21 10:58 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15LCSW 00831	ATTO15WISS 00009		
BFB 200-172945/1		TO-15		200 mL	200 mL		20 mL		
ICV 200-172945/2		TO-15		200 mL	200 mL	200 mL	20 mL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-60507-1

SDG No.: 200-60507-1

Batch Number: 173045 Batch Start Date: 10/25/21 07:33 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00772	ATTO15LCSW 00831	ATTO15WISS 00009	
BFB 200-173045/1		TO-15		200 mL	200 mL			20 mL	
CCVIS 200-173045/2		TO-15		200 mL	200 mL	200 mL		20 mL	
LCS 200-173045/3		TO-15		200 mL	200 mL		200 mL	20 mL	
MB 200-173045/4		TO-15		200 mL	200 mL			20 mL	
200-60507-A-1	SS- GLARO	TO-15	T	10 mL	200 mL			20 mL	
200-60507-A-2	SS- MANUFACTURING	TO-15	T	200 mL	200 mL			20 mL	

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

[illegible]

Method D1946

Fixed Gases in Air (GC) by Method
D1946

FORM III
AIR - GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Matrix: Air Level: Low Lab File ID: 200-0048158-002.D
Lab ID: LCS 200-173114/2 Client ID: _____

COMPOUND	SPIKE ADDED (% v/v)	LCS CONCENTRATION (% v/v)	LCS % REC	QC LIMITS REC	#
Helium	5.00	5.17	103	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Matrix: Air Level: Low Lab File ID: 200-0048158-003.D
Lab ID: LCSD 200-173114/3 Client ID: _____

COMPOUND	SPIKE ADDED (% v/v)	LCSD CONCENTRATION (% v/v)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Helium	5.00	5.33	107	3	30	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab File ID: 200-0048158-004.D Lab Sample ID: MB 200-173114/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CH1031.i Date Analyzed: 10/26/2021 11:53
GC Column: CTR-1 ID: 3.175 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-173114/2	200-0048158 -002.D	10/26/2021 11:34
	LCSD 200-173114/3	200-0048158 -003.D	10/26/2021 11:44
SS- GLARO	200-60507-1	200-0048158 -005.D	10/26/2021 12:04
SS- MANUFACTURING	200-60507-2	200-0048158 -006.D	10/26/2021 12:16

FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: SS- GLARO Lab Sample ID: 200-60507-1
Matrix: Air Lab File ID: 200-0048158-005.D
Analysis Method: D1946 Date Collected: 10/07/2021 16:29
Sample wt/vol: 300 (uL) Date Analyzed: 10/26/2021 12:04
Soil Aliquot Vol: _____ Dilution Factor: 1.35
Soil Extract Vol.: _____ GC Column: CTR-1 ID: 3.175 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173114 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.14	U	0.14	0.14

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-005.D
Lims ID: 200-60507-A-1
Client ID: SS- GLARO
Sample Type: Client
Inject. Date: 26-Oct-2021 12:04:44 ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.3500
Sample Info: 200-0048158-005
Operator ID: WRD Instrument ID: CH1031.i
Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
Limit Group: AI_D1946He_ICAL
Last Update: 26-Oct-2021 12:35:15 Calib Date: 18-Mar-2020 13:47:05
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 : Det: GC ADC1A
Process Host: CTX1683

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt % v/v	Flags
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Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-005.D

Injection Date: 26-Oct-2021 12:04:44

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: 200-60507-A-1

Lab Sample ID: 200-60507-1

Worklist Smp#: 5

Client ID: SS- GLARO

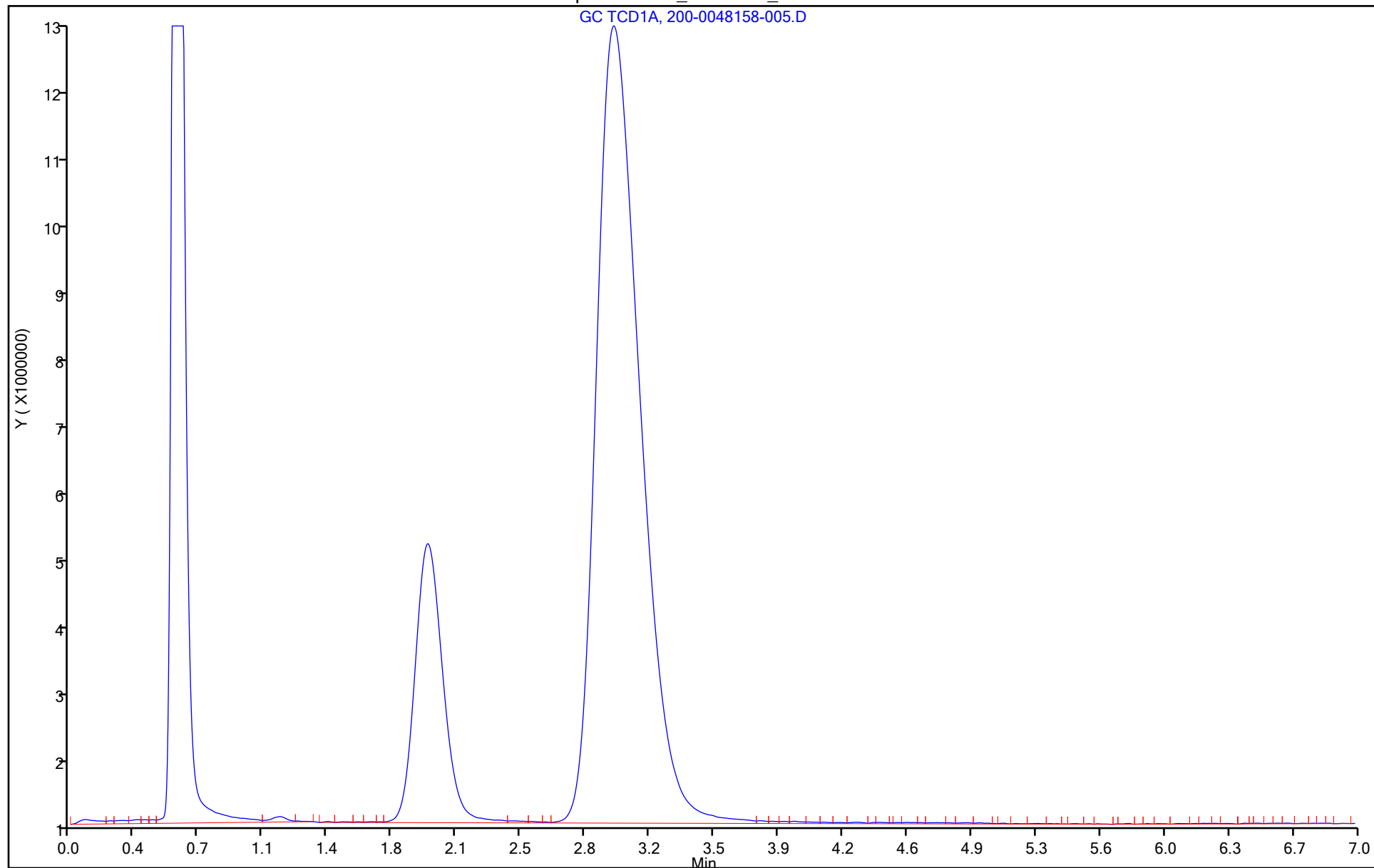
Purge Vol: 5.000 mL

Dil. Factor: 1.3500

ALS Bottle#: 6

Method: D1946He

Limit Group: AI_D1946He_ICAL



FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: SS- MANUFACTURING Lab Sample ID: 200-60507-2
Matrix: Air Lab File ID: 200-0048158-006.D
Analysis Method: D1946 Date Collected: 10/07/2021 16:52
Sample wt/vol: 300 (uL) Date Analyzed: 10/26/2021 12:16
Soil Aliquot Vol: _____ Dilution Factor: 1.35
Soil Extract Vol.: _____ GC Column: CTR-1 ID: 3.175 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173114 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.14	U	0.14	0.14

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-006.D
Lims ID: 200-60507-A-2
Client ID: SS- MANUFACTURING
Sample Type: Client
Inject. Date: 26-Oct-2021 12:16:23 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.3500
Sample Info: 200-0048158-006
Operator ID: WRD Instrument ID: CH1031.i
Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
Limit Group: AI_D1946He_ICAL
Last Update: 26-Oct-2021 12:35:15 Calib Date: 18-Mar-2020 13:47:05
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 :

Det: GC ADC1A

Process Host: CTX1683

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt % v/v	Flags
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Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-006.D

Injection Date: 26-Oct-2021 12:16:23

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: 200-60507-A-2

Lab Sample ID: 200-60507-2

Worklist Smp#: 6

Client ID: SS- MANUFACTURING

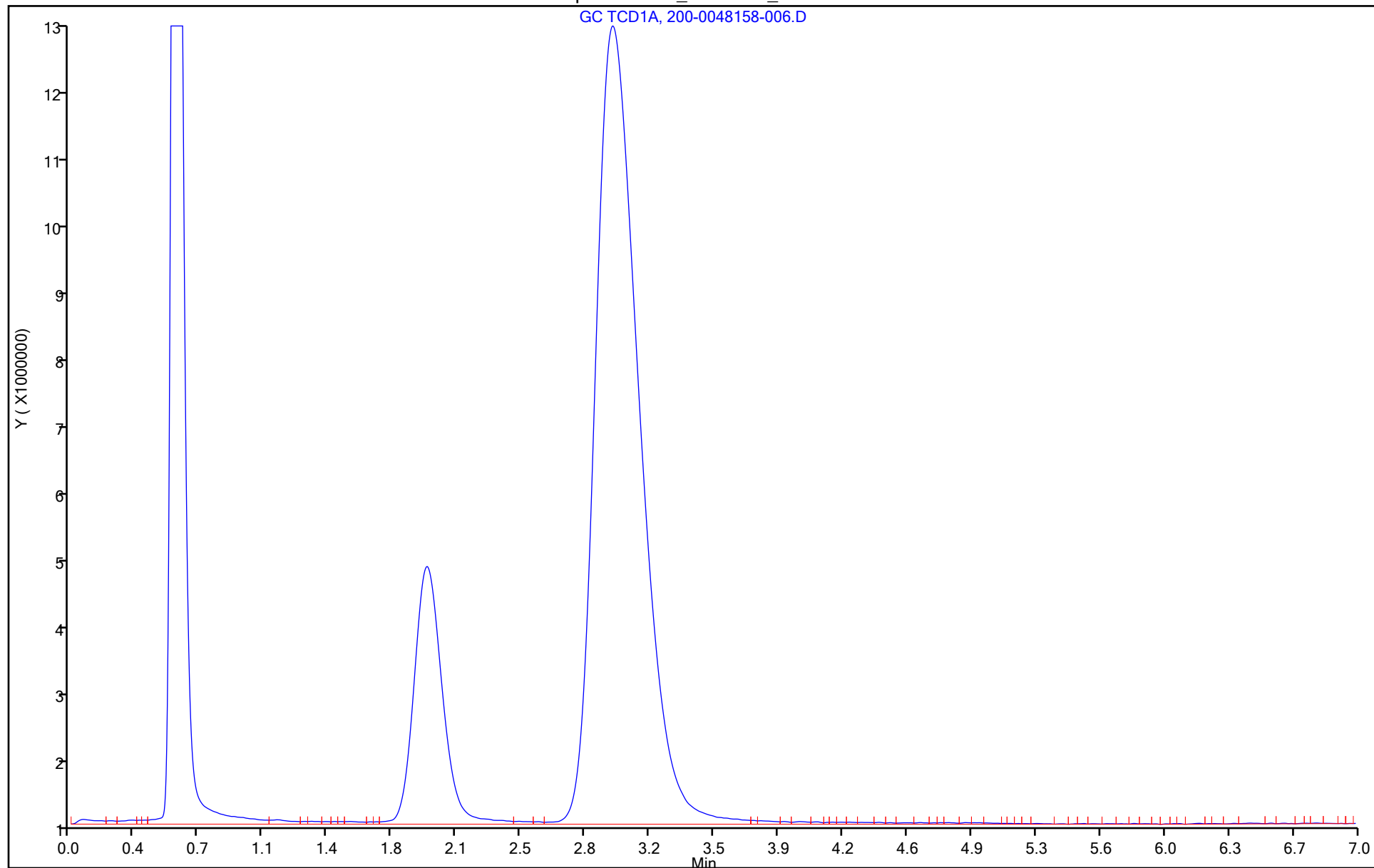
Purge Vol: 5.000 mL

Dil. Factor: 1.3500

ALS Bottle#: 7

Method: D1946He

Limit Group: AI_D1946He_ICAL



FORM VI
AIR - GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 153347
SDG No.: 200-60507-1
Instrument ID: CH1031.i GC Column: CTR-1 ID: 3.175(mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/18/2020 13:01 Calibration End Date: 03/18/2020 13:47 Calibration ID: 43335

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-153347/2	200-0040476-002.D
Level 2	IC 200-153347/3	200-0040476-003.D
Level 3	IC 200-153347/4	200-0040476-004.D
Level 4	ICRT 200-153347/5	200-0040476-005.D
Level 5	IC 200-153347/6	200-0040476-006.D
Level 6	IC 200-153347/7	200-0040476-007.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Helium	0.860	0.893	0.897	0.897	0.907	0.920					0.847 - 0.947	0.896

FORM VI
AIR - GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 153347
SDG No.: 200-60507-1
Instrument ID: CH1031.i GC Column: CTR-1 ID: 3.175 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/18/2020 13:01 Calibration End Date: 03/18/2020 13:47 Calibration ID: 43335

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-153347/2	200-0040476-002.D
Level 2	IC 200-153347/3	200-0040476-003.D
Level 3	IC 200-153347/4	200-0040476-004.D
Level 4	ICRT 200-153347/5	200-0040476-005.D
Level 5	IC 200-153347/6	200-0040476-006.D
Level 6	IC 200-153347/7	200-0040476-007.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Helium	422112 434850	426389 433091	365081	328552	Ave		401679.38 0				11.0		30.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
AIR - GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1 Analy Batch No.: 153347

SDG No.: 200-60507-1

Instrument ID: CH1031.i GC Column: CTR-1 ID: 3.175 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 13:01 Calibration End Date: 03/18/2020 13:47 Calibration ID: 43335

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-153347/2	200-0040476-002.D
Level 2	IC 200-153347/3	200-0040476-003.D
Level 3	IC 200-153347/4	200-0040476-004.D
Level 4	ICRT 200-153347/5	200-0040476-005.D
Level 5	IC 200-153347/6	200-0040476-006.D
Level 6	IC 200-153347/7	200-0040476-007.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (% V/V)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Helium	Ave	70352 7218190	355324	608469	1642761	3623754	0.167 16.7	0.833	1.67	5.00	8.33

Curve Type Legend:

Ave = Average

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-002.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 18-Mar-2020 13:01:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-002
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:59 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem

Date: 18-Mar-2020 14:19:56

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						Ma
0.860	0.897	-0.037	70352	0.1667	0.1751	M

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ATASTMHECCVw_00047

Amount Added: 10.00

Units: uL

Report Date: 19-Mar-2020 09:37:00

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-002.D

Injection Date: 18-Mar-2020 13:01:30

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: IC

Worklist Smp#: 2

Client ID:

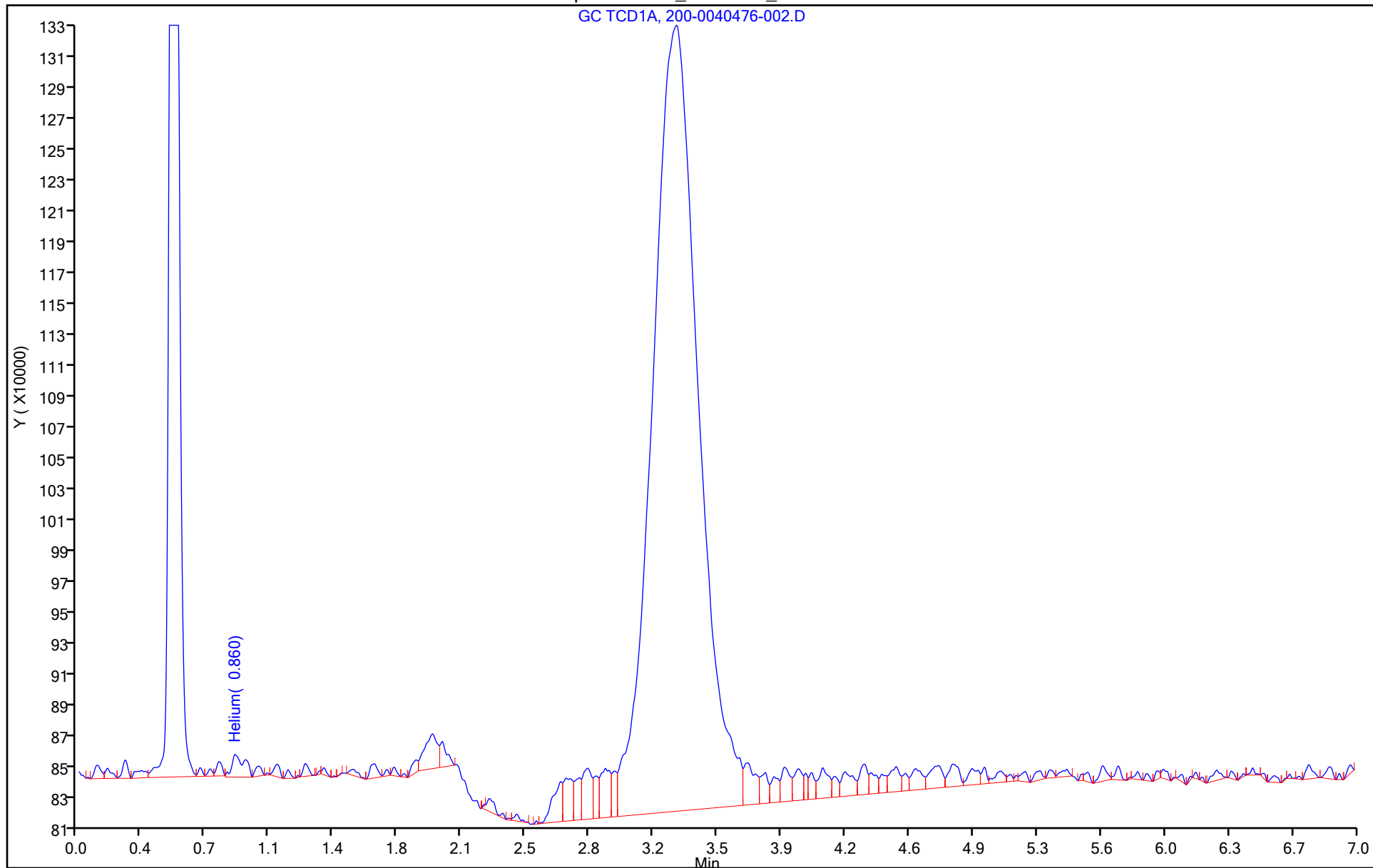
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 2

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

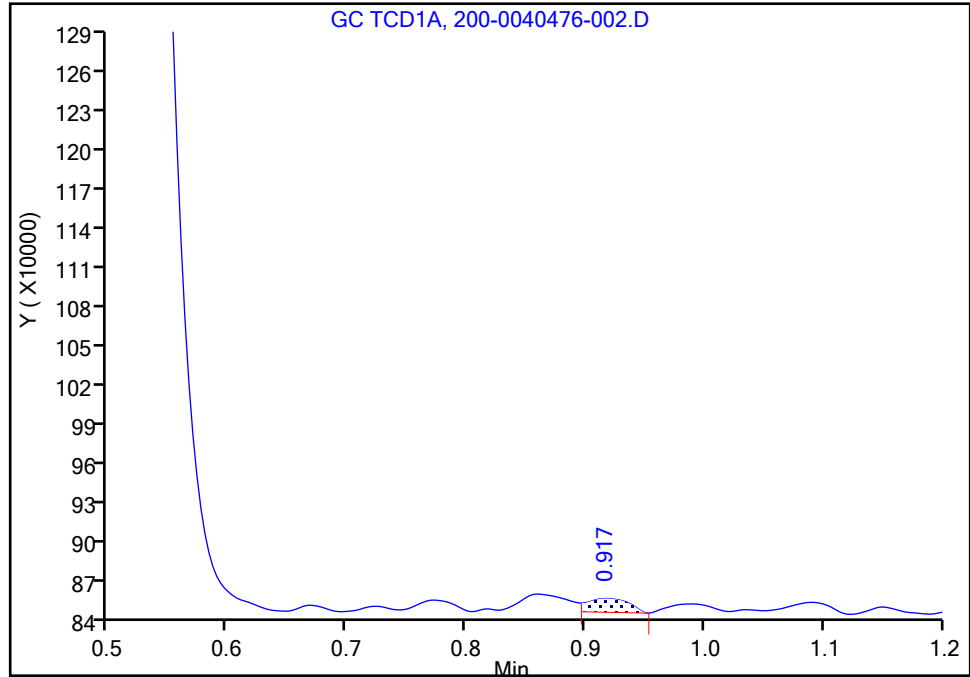
Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-002.D
Injection Date: 18-Mar-2020 13:01:30 Instrument ID: CH1031.i
Lims ID: IC
Client ID:
Operator ID: MLT ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

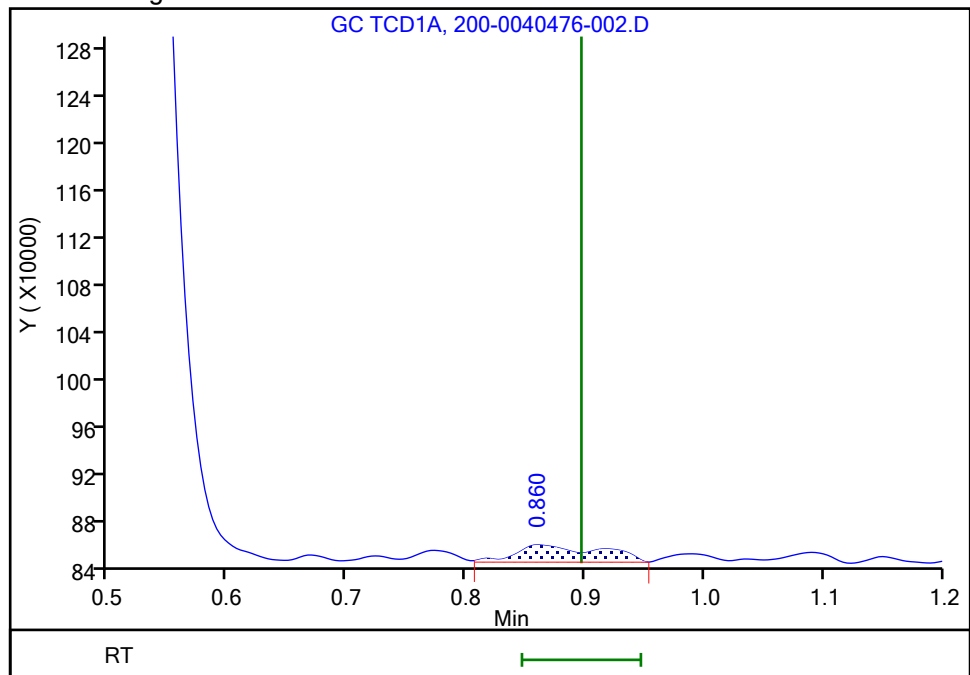
RT: 0.92
Area: 24511
Amount: 0.130226
Amount Units: % v/v

Processing Integration Results



RT: 0.86
Area: 70352
Amount: 0.175145
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 19-Mar-2020 09:29:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-003.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 18-Mar-2020 13:14:27 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-003
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:59 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem

Date: 18-Mar-2020 13:35:08

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.893	0.897	-0.004	355324	0.8333	0.8846	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATASTMHECCVw_00047

Amount Added: 50.00

Units: uL

Report Date: 19-Mar-2020 09:36:59

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-003.D

Injection Date: 18-Mar-2020 13:14:27

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: IC

Worklist Smp#: 3

Client ID:

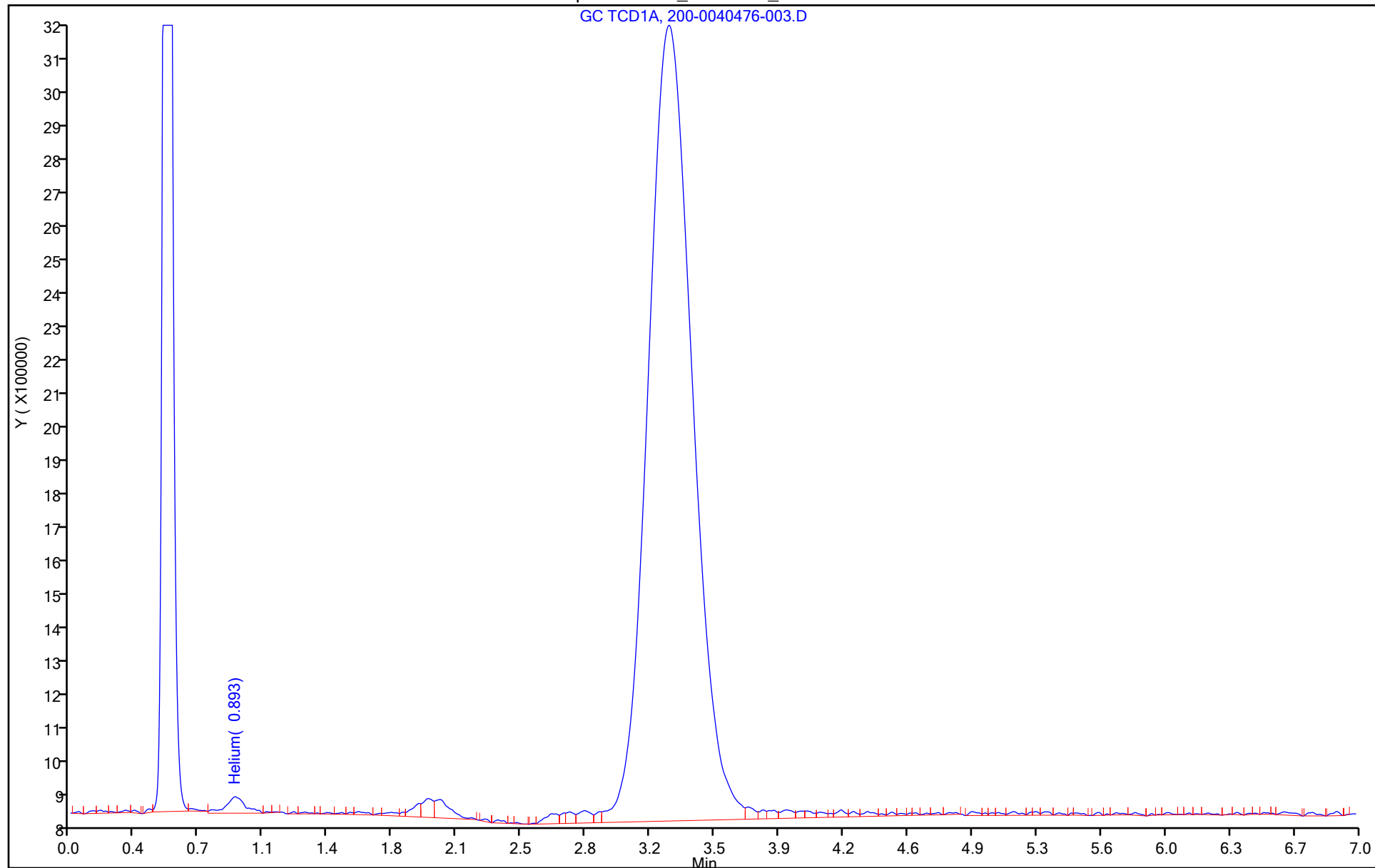
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 3

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

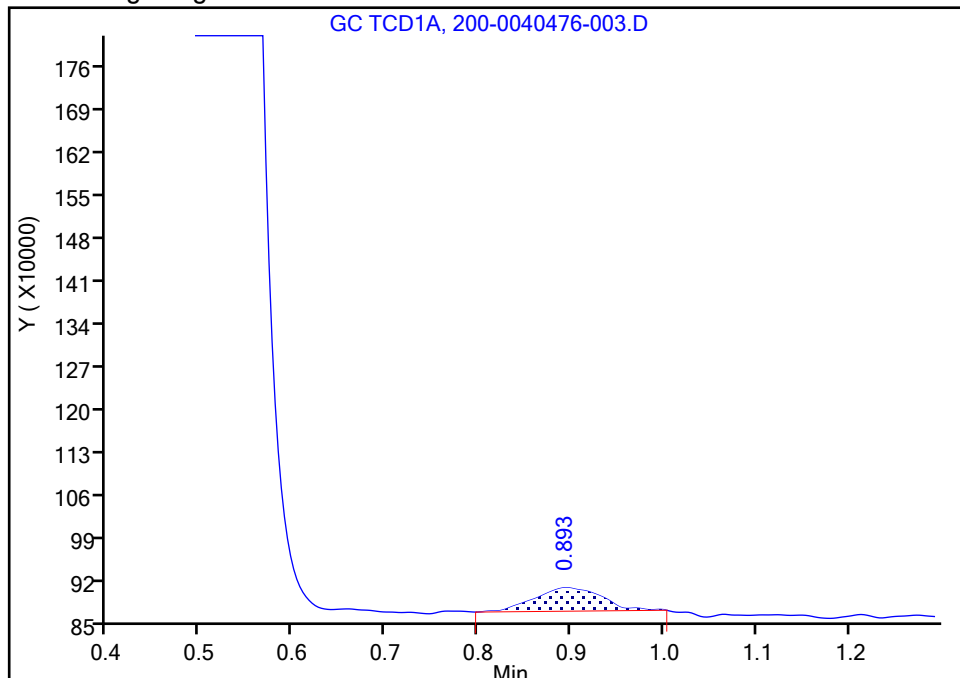
Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-003.D
Injection Date: 18-Mar-2020 13:14:27 Instrument ID: CH1031.i
Lims ID: IC
Client ID:
Operator ID: MLT ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

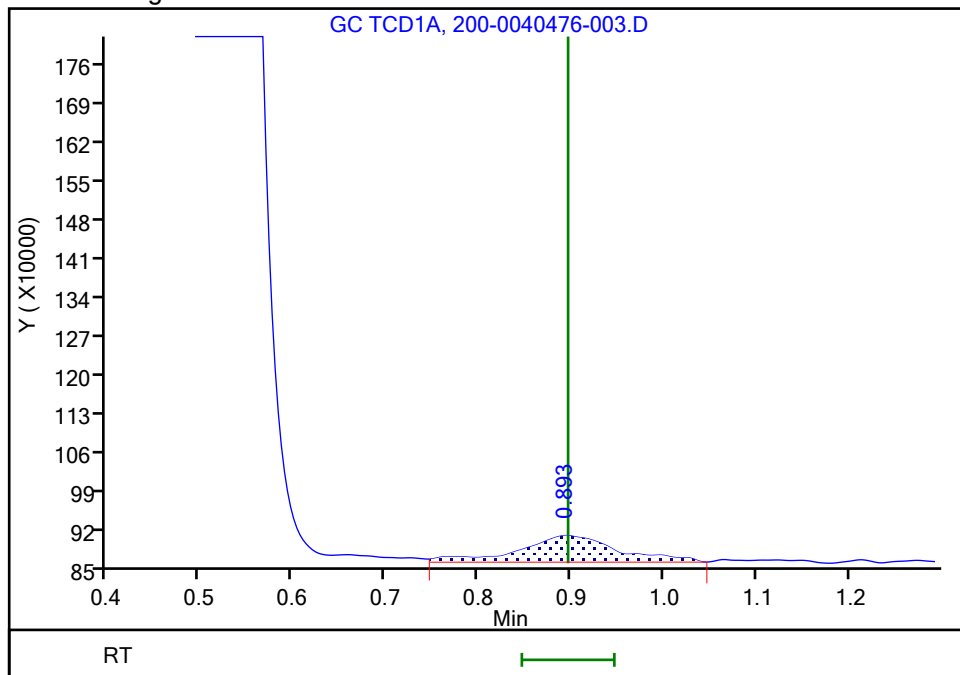
RT: 0.89
Area: 191143
Amount: 0.775484
Amount Units: % v/v

Processing Integration Results



RT: 0.89
Area: 355324
Amount: 0.884596
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 18-Mar-2020 13:56:23

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-004.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 18-Mar-2020 13:22:47 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-004
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:58 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem

Date: 18-Mar-2020 13:33:36

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.897	0.897	0.000	608469	1.67	1.51	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATASTMHECCVw_00047

Amount Added: 100.00

Units: uL

Report Date: 19-Mar-2020 09:36:59

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-004.D

Injection Date: 18-Mar-2020 13:22:47

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: IC

Worklist Smp#: 4

Client ID:

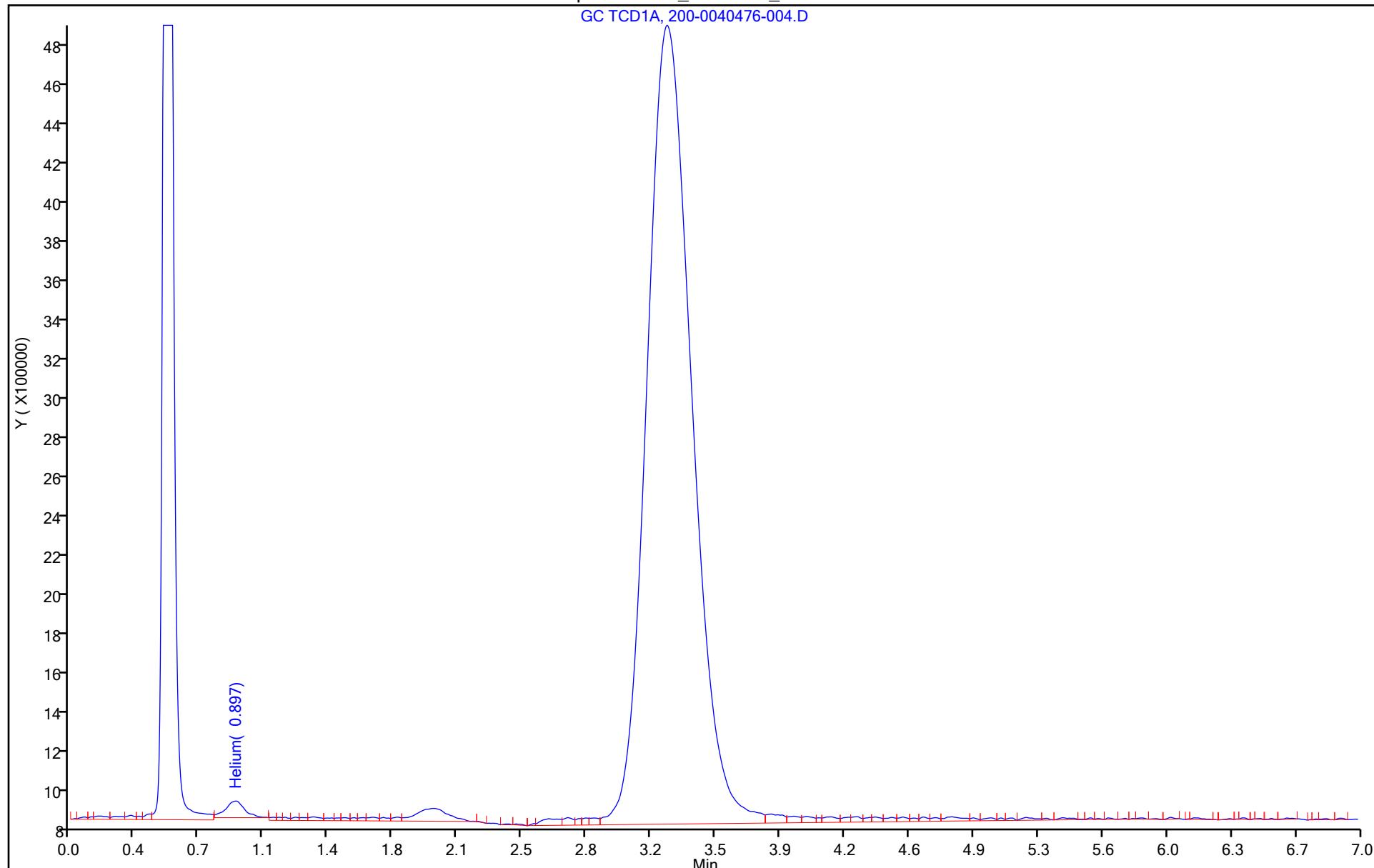
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 4

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

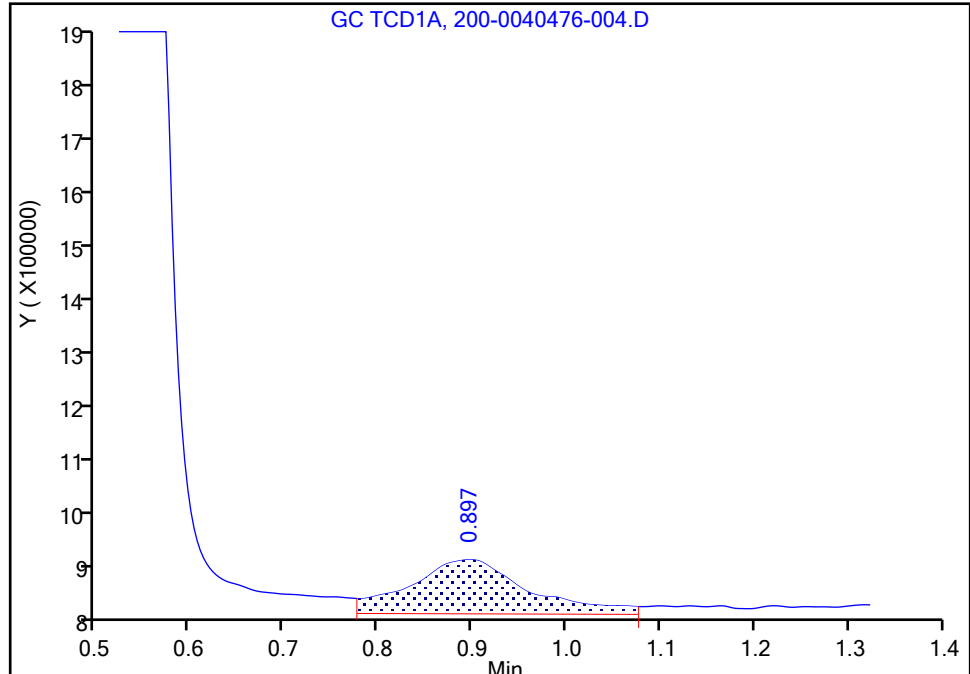
Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-004.D
Injection Date: 18-Mar-2020 13:22:47 Instrument ID: CH1031.i
Lims ID: IC
Client ID:
Operator ID: MLT ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

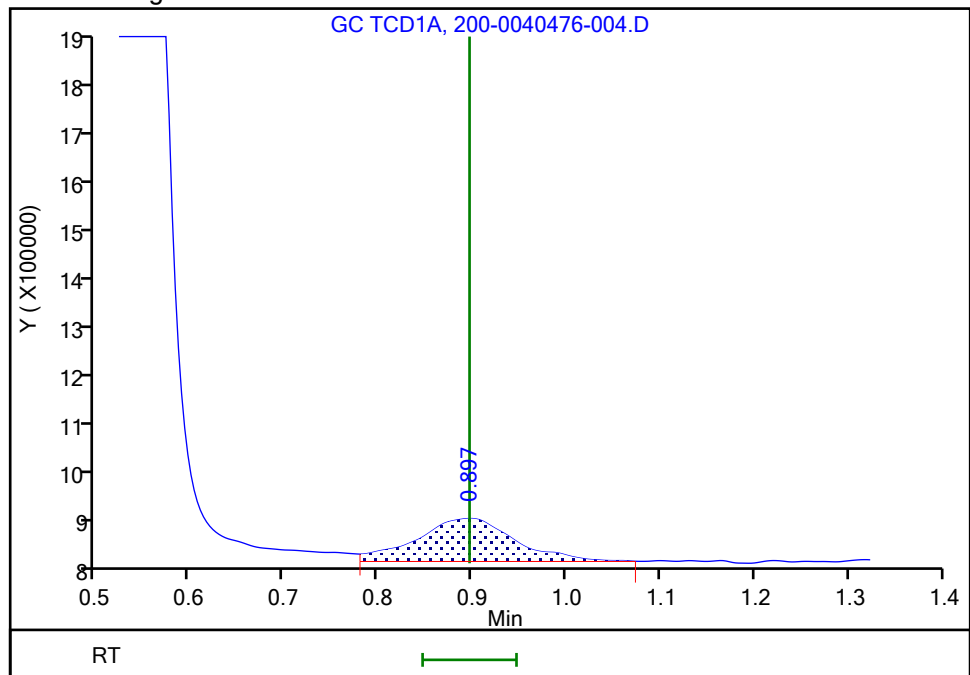
RT: 0.90
Area: 841226
Amount: 1.818749
Amount Units: % v/v

Processing Integration Results



RT: 0.90
Area: 608469
Amount: 1.514813
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 19-Mar-2020 09:32:17

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-005.D
 Lims ID: ICRT
 Client ID:
 Sample Type: ICRT Calib Level: 4
 Inject. Date: 18-Mar-2020 13:30:46 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-005
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:58 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem

Date: 18-Mar-2020 13:50:35

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.897	0.897	0.000	1642761	5.00	4.09	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATASTMHECCVw_00047

Amount Added: 300.00

Units: uL

Report Date: 19-Mar-2020 09:36:58

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-005.D

Injection Date: 18-Mar-2020 13:30:46

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: ICRT

Worklist Smp#: 5

Client ID:

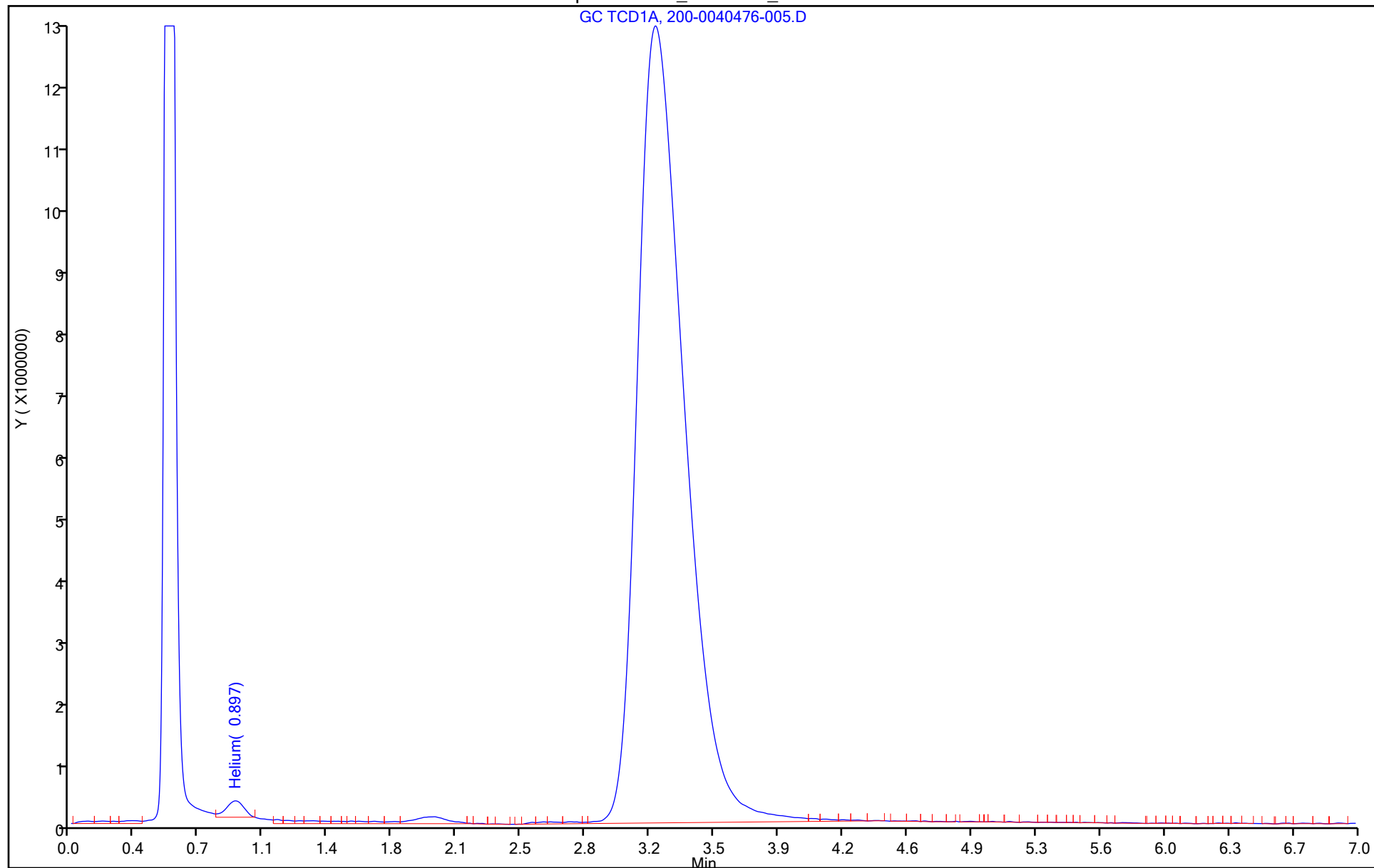
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 5

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

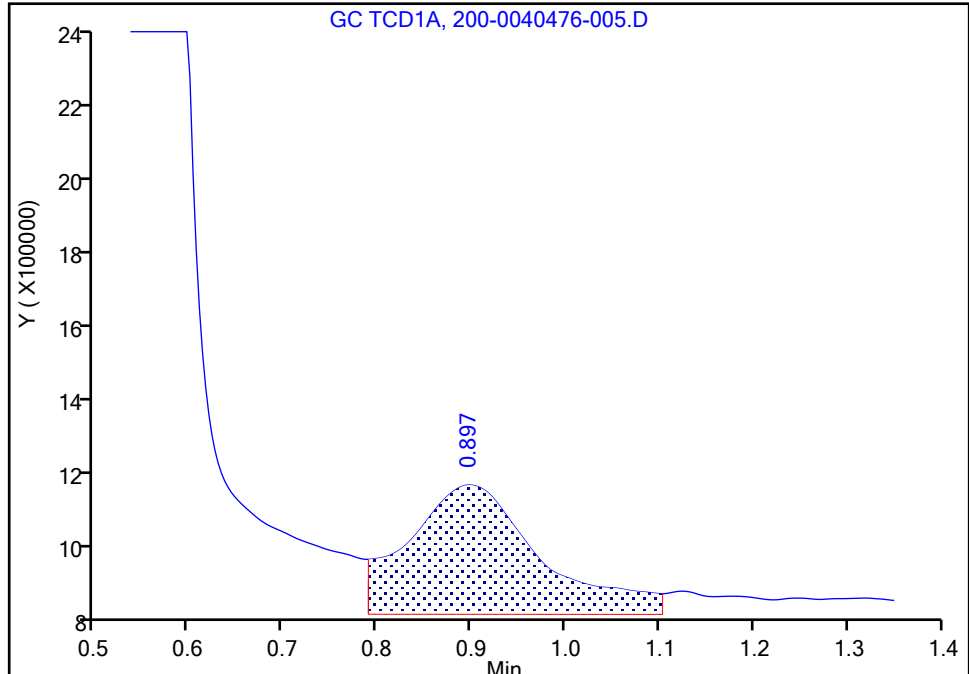
Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-005.D
Injection Date: 18-Mar-2020 13:30:46 Instrument ID: CH1031.i
Lims ID: ICRT
Client ID:
Operator ID: MLT ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

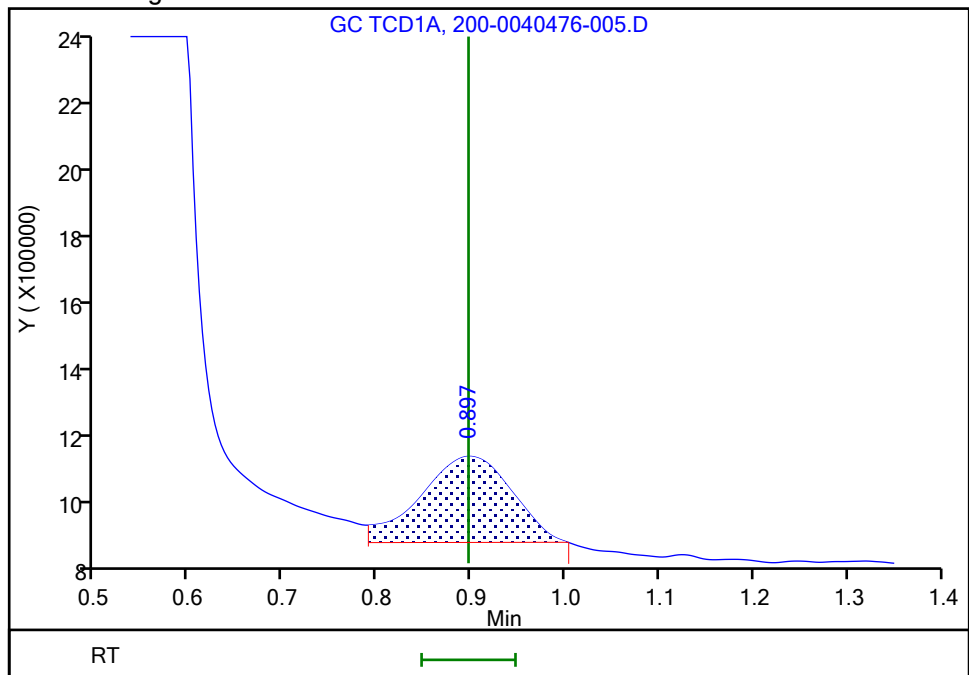
RT: 0.90
Area: 3274530
Amount: 8.039189
Amount Units: % v/v

Processing Integration Results



RT: 0.90
Area: 1642761
Amount: 4.089732
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 19-Mar-2020 09:34:56
Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing
Page 243 of 356

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-006.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 18-Mar-2020 13:38:53 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-006
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:57 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem

Date: 18-Mar-2020 13:59:23

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.907	0.897	0.010	3623754	8.33	9.02	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATASTMHECCVw_00047

Amount Added: 500.00

Units: uL

Report Date: 19-Mar-2020 09:36:58

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-006.D

Injection Date: 18-Mar-2020 13:38:53

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: IC

Worklist Smp#: 6

Client ID:

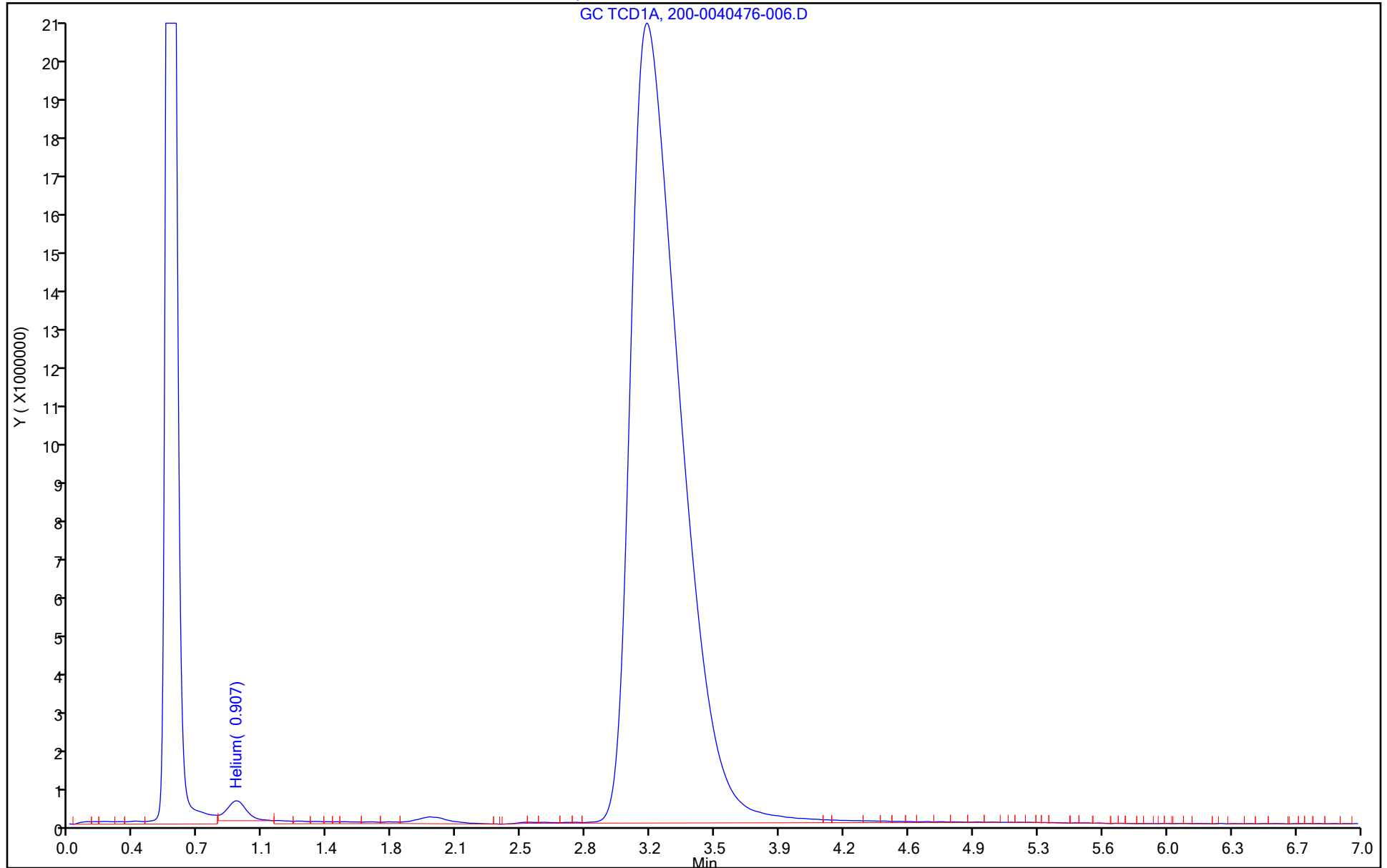
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 6

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-006.D

Injection Date: 18-Mar-2020 13:38:53

Instrument ID: CH1031.i

Lims ID: IC

Client ID:

Operator ID: MLT

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: D1946He

Limit Group: AI_D1946He_ICAL

Column:

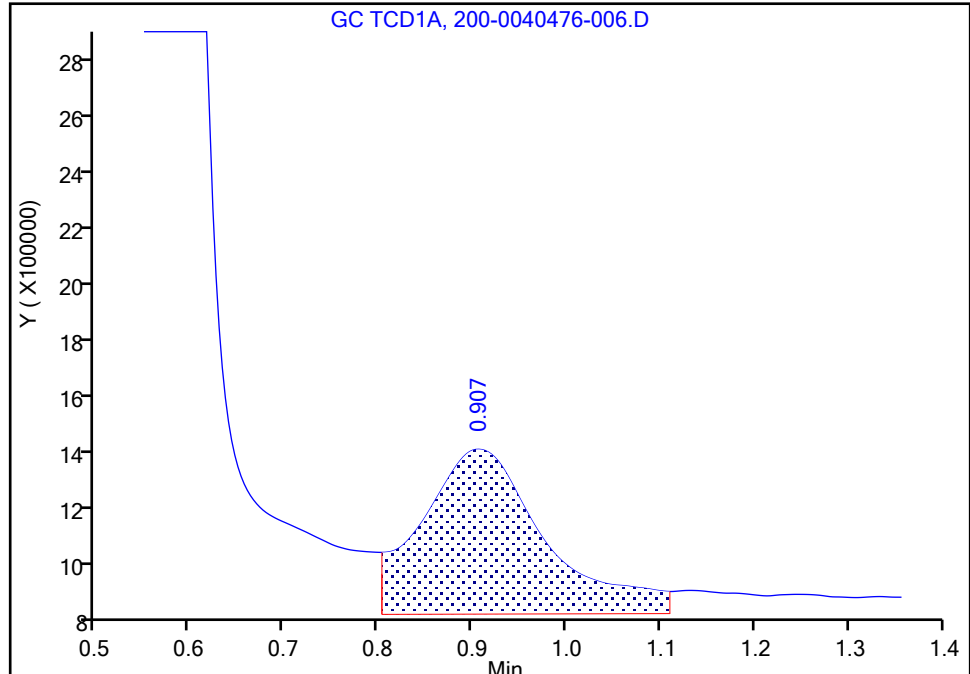
Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

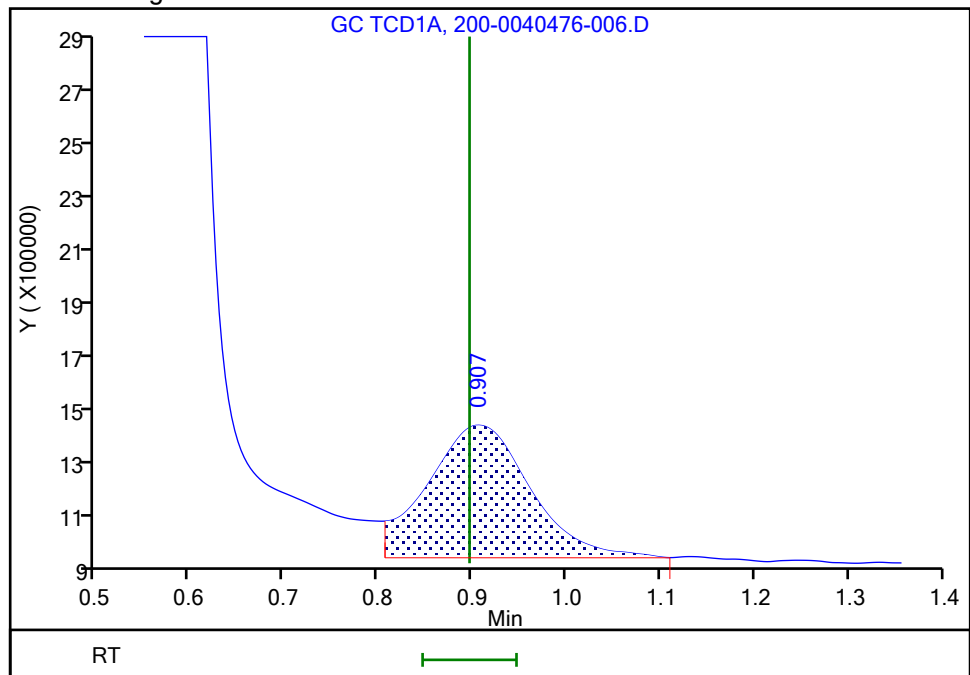
RT: 0.91
Area: 5026720
Amount: 11.659310
Amount Units: % v/v

Processing Integration Results



RT: 0.91
Area: 3623754
Amount: 9.021509
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 18-Mar-2020 13:59:13

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 18-Mar-2020 13:47:05 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-007
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:57 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
 Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem

Date: 18-Mar-2020 14:30:17

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.920	0.897	0.023	7218190	16.7	18.0	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATASTMHECCVw_00047

Amount Added: 1000.00

Units: uL

Report Date: 19-Mar-2020 09:36:57

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Injection Date: 18-Mar-2020 13:47:05

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: IC

Worklist Smp#: 7

Client ID:

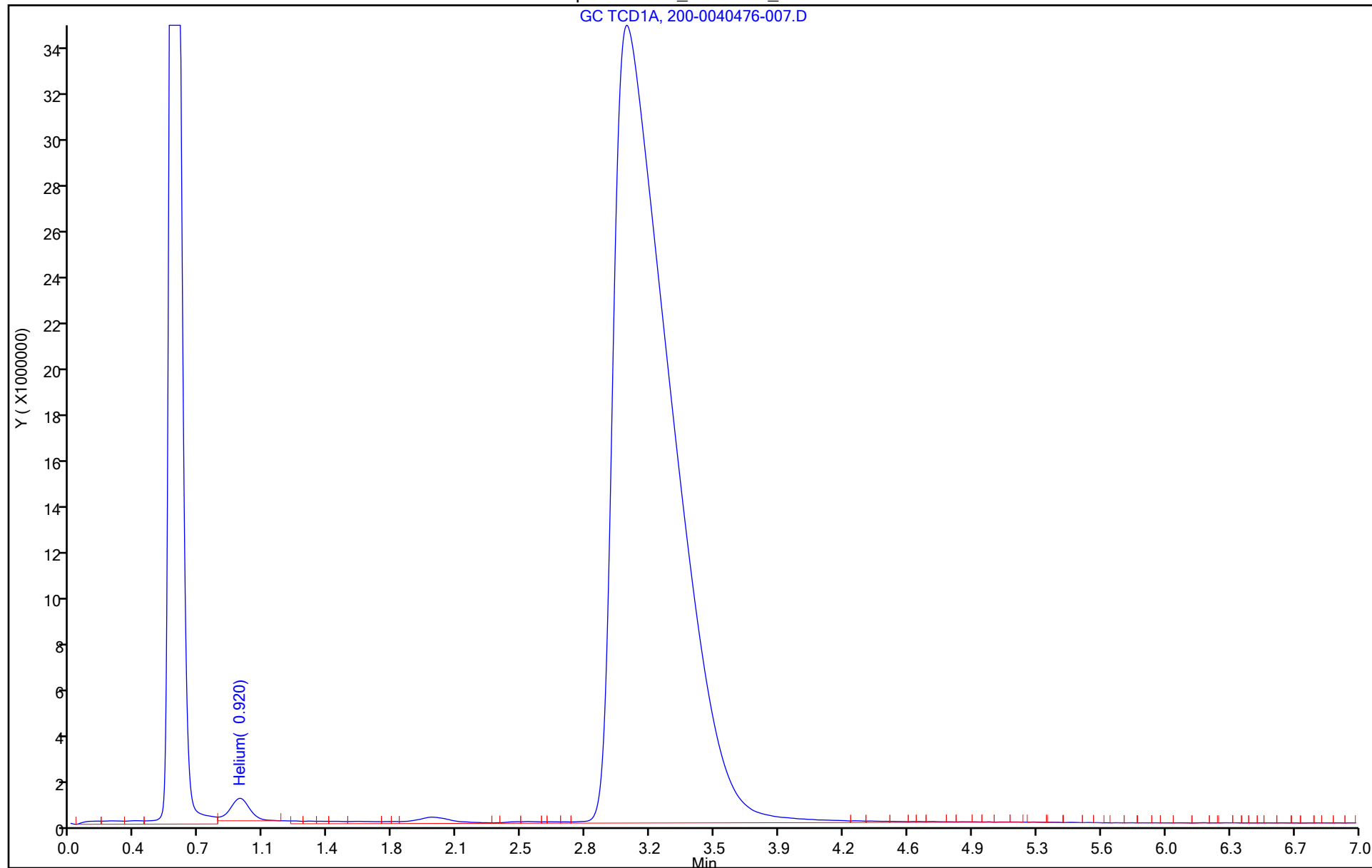
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 7

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Injection Date: 18-Mar-2020 13:47:05

Instrument ID: CH1031.i

Lims ID: IC

Client ID:

Operator ID: MLT

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: D1946He

Limit Group: AI_D1946He_ICAL

Column:

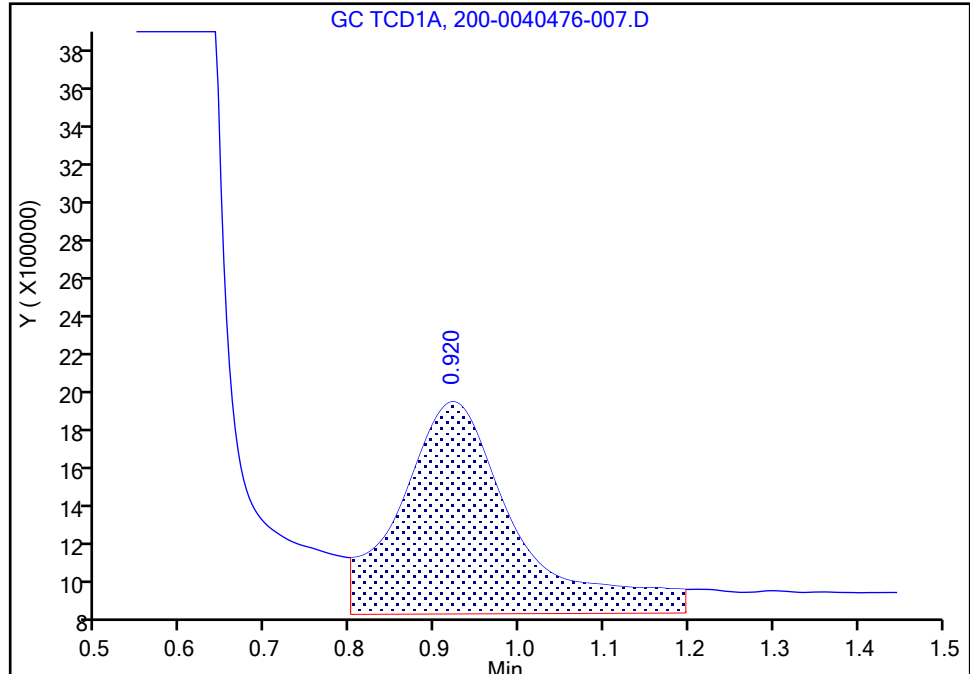
Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

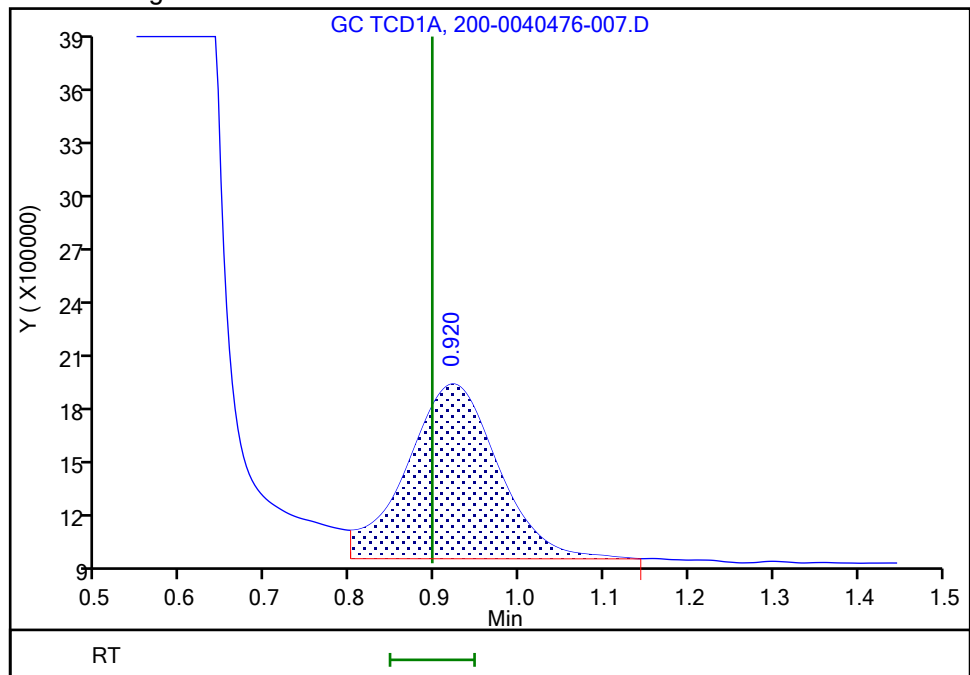
RT: 0.92
Area: 10360423
Amount: 23.826766
Amount Units: % v/v

Processing Integration Results



RT: 0.92
Area: 7218190
Amount: 17.970029
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 18-Mar-2020 14:00:21

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

FORM VII
AIR - GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab Sample ID: ICV 200-153347/9 Calibration Date: 03/18/2020 14:21
Instrument ID: CH1031.i Calib Start Date: 03/18/2020 13:01
GC Column: CTR-1 ID: 3.18 (mm) Calib End Date: 03/18/2020 13:47
Lab File ID: 200-0040476-009.D Conc. Units: % v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Helium	Ave	401679	414367		5.16	5.00	3.2	

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-009.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 18-Mar-2020 14:21:07 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0040476-009
 Operator ID: MLT Instrument ID: CH1031.i
 Sublist:

Method: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 19-Mar-2020 09:36:56 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 : Det: GC ADC1A
 Process Host: CTX0302

First Level Reviewer: zeniem Date: 18-Mar-2020 14:31:07

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.897	0.897	0.000	2071836	5.00	5.16	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATASTMHEICVw_00058

Amount Added: 300.00

Units: uL

Report Date: 19-Mar-2020 09:36:56

Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-009.D

Injection Date: 18-Mar-2020 14:21:07

Instrument ID: CH1031.i

Operator ID: MLT

Lims ID: ICV

Worklist Smp#: 9

Client ID:

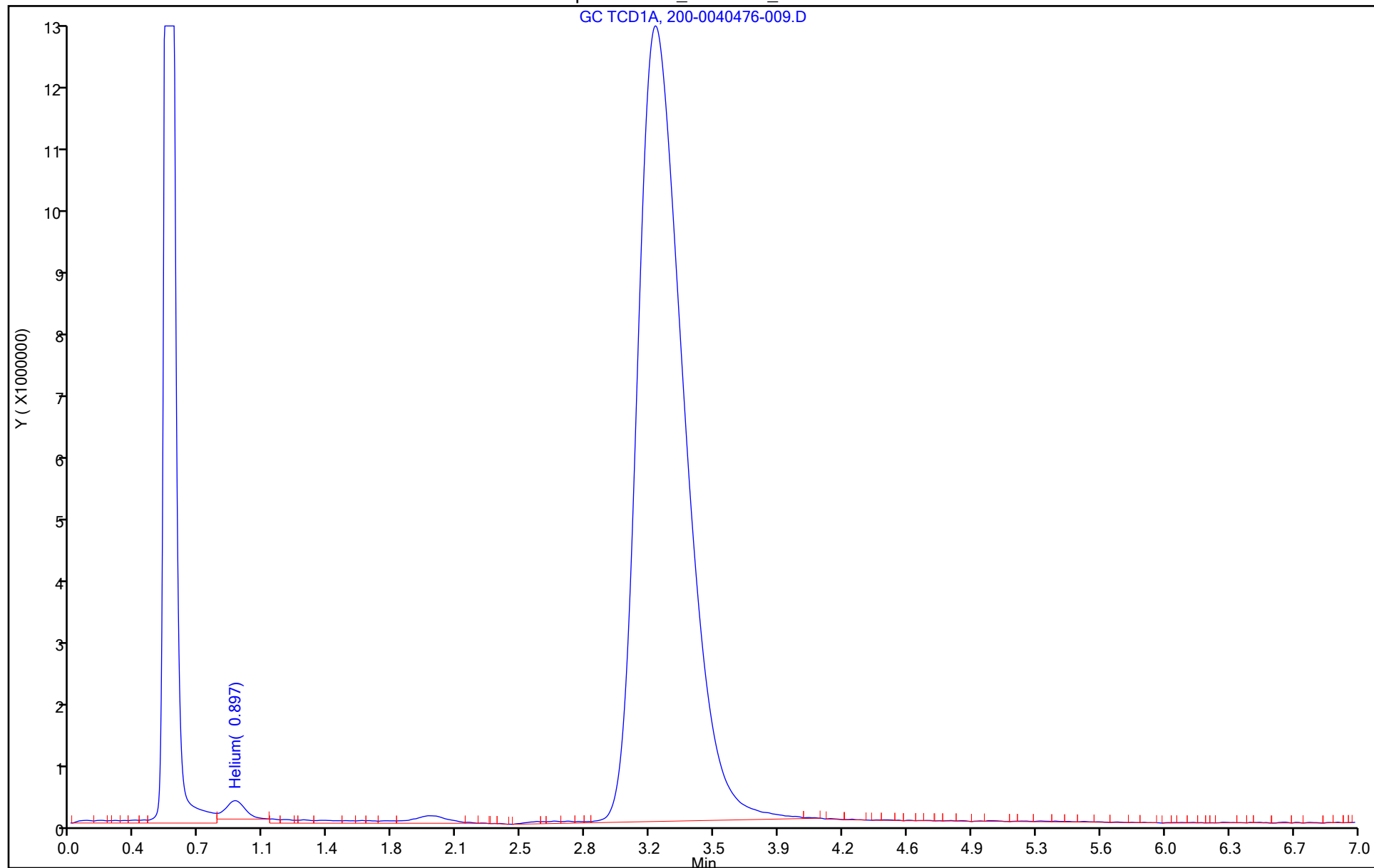
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 9

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

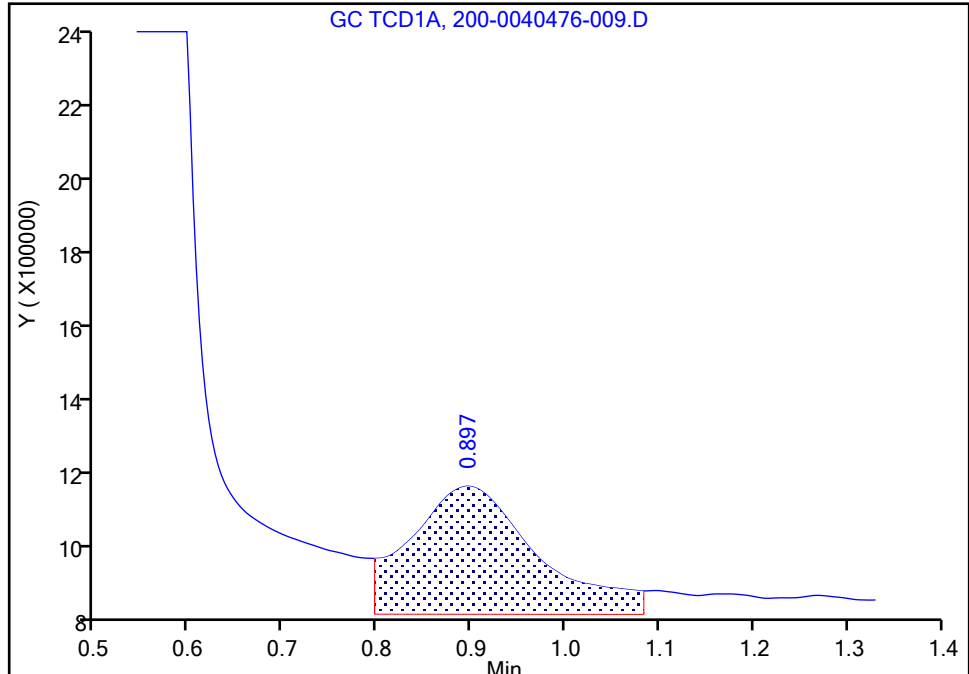
Data File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-009.D
Injection Date: 18-Mar-2020 14:21:07 Instrument ID: CH1031.i
Lims ID: ICV
Client ID:
Operator ID: MLT ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

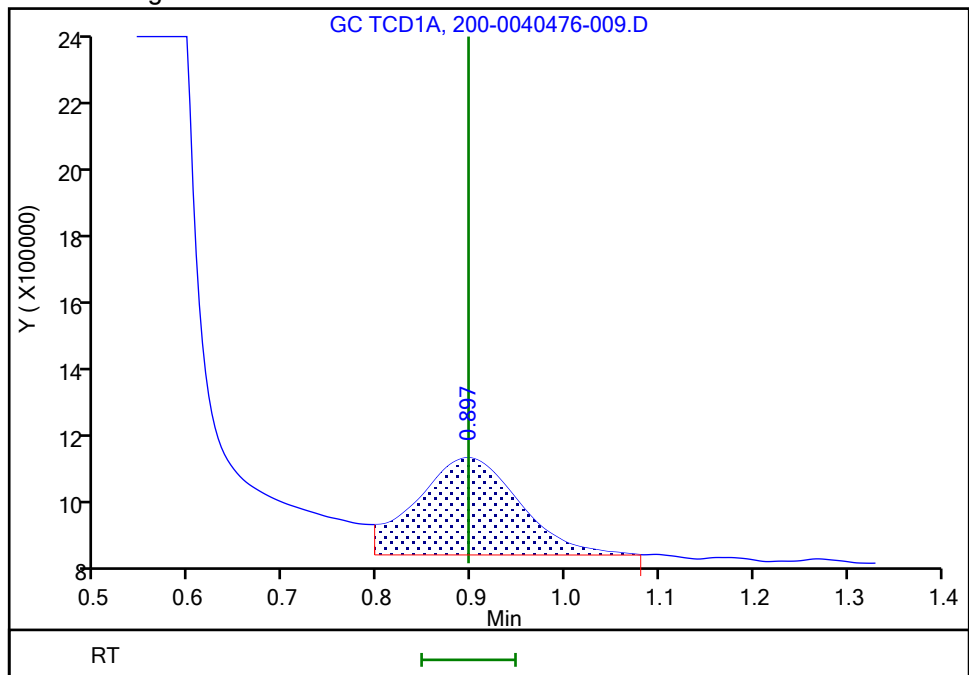
RT: 0.90
Area: 3102641
Amount: 7.691217
Amount Units: % v/v

Processing Integration Results



RT: 0.90
Area: 2071836
Amount: 5.157935
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 18-Mar-2020 14:30:59
Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing
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FORM VII
AIR - GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab Sample ID: CCVRT 200-173114/1 Calibration Date: 10/26/2021 11:22
Instrument ID: CH1031.i Calib Start Date: 03/18/2020 13:01
GC Column: CTR-1 ID: 3.18 (mm) Calib End Date: 03/18/2020 13:47
Lab File ID: 200-0048158-001.D Conc. Units: % v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Helium	Ave	401679	320411		3.99	5.00	-20.2	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-001.D
Lims ID: CCVRT
Client ID:
Sample Type: CCVRT
Inject. Date: 26-Oct-2021 11:22:46 ALS Bottle#: 2 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0048158-001
Operator ID: WRD Instrument ID: CH1031.i
Sublist: chrom-D1946He*sub1
Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
Limit Group: AI_D1946He_ICAL
Last Update: 26-Oct-2021 12:35:15 Calib Date: 18-Mar-2020 13:47:05
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D
Column 1 : Det: GC ADC1A
Process Host: CTX1683

First Level Reviewer: zeniem

Date: 26-Oct-2021 11:34:01

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.933	0.933	0.000	1602056	5.00	3.99	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

ATASTMHECCVw_00049

Amount Added: 300.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-001.D

Injection Date: 26-Oct-2021 11:22:46

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: CCVRT

Worklist Smp#: 1

Client ID:

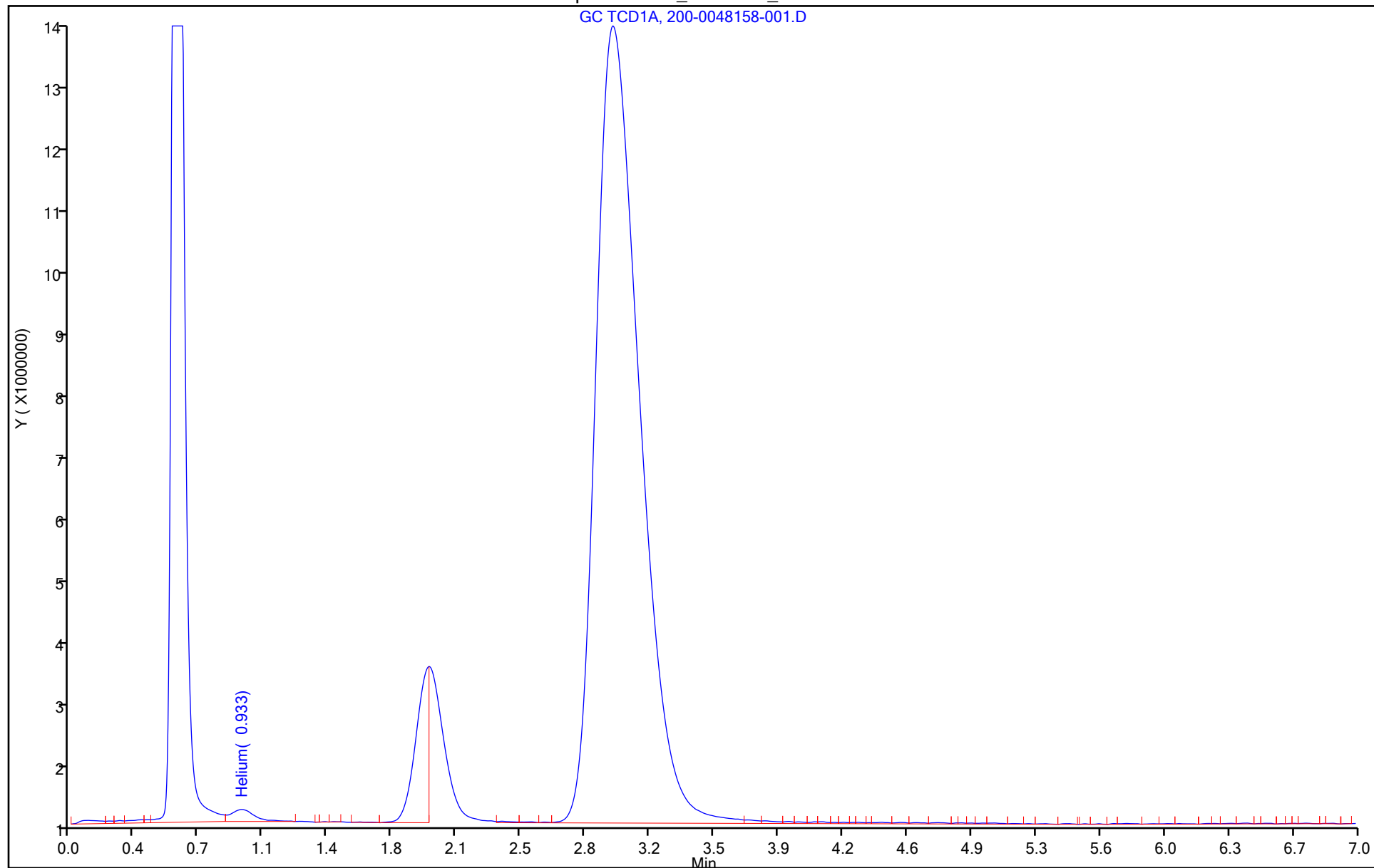
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 2

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

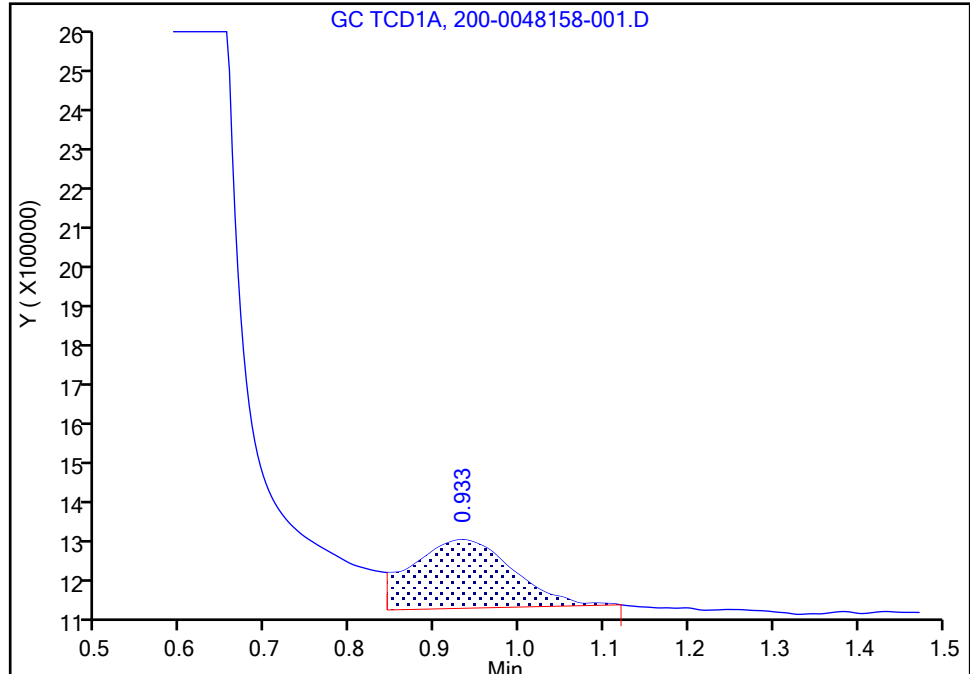
Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-001.D
Injection Date: 26-Oct-2021 11:22:46 Instrument ID: CH1031.i
Lims ID: CCVRT
Client ID:
Operator ID: WRD ALS Bottle#: 2 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

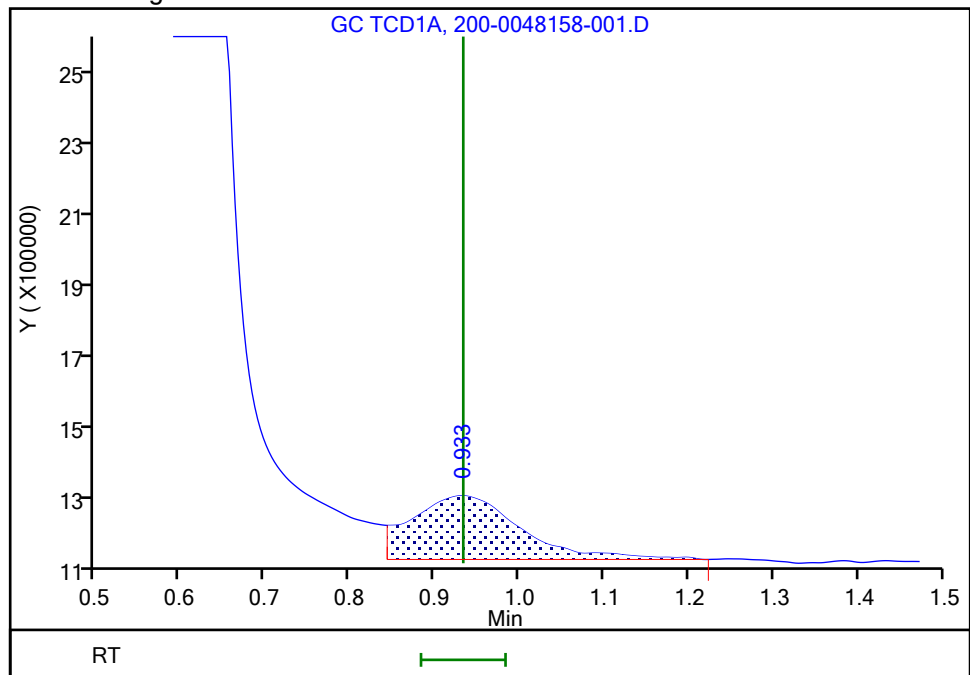
RT: 0.93
Area: 1444668
Amount: 3.596570
Amount Units: % v/v

Processing Integration Results



RT: 0.93
Area: 1602056
Amount: 3.988395
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 26-Oct-2021 11:33:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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FORM VII
AIR - GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Lab Sample ID: CCVC 200-173114/7 Calibration Date: 10/26/2021 12:25
Instrument ID: CH1031.i Calib Start Date: 03/18/2020 13:01
GC Column: CTR-1 ID: 3.18 (mm) Calib End Date: 03/18/2020 13:47
Lab File ID: 200-0048158-007.D Conc. Units: % v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Helium	Ave	401679	312875		3.89	5.00	-22.1	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-007.D
 Lims ID: CCVC
 Client ID:
 Sample Type: CCVC
 Inject. Date: 26-Oct-2021 12:25:16 ALS Bottle#: 8 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048158-007
 Operator ID: WRD Instrument ID: CH1031.i
 Sublist: chrom-D1946He*sub1
 Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 26-Oct-2021 12:35:23 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 : Det: GC ADC1A
 Process Host: CTX1683

First Level Reviewer: zeniem Date: 26-Oct-2021 12:35:20

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
--------------	------------------	------------------	----------	------------------	--------------------	-------

1 Helium

0.927 0.930 -0.003 1564374 5.00 3.89

QC Flag Legend

Processing Flags

Reagents:

ATASTMHECCVw_00049

Amount Added: 300.00

Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-007.D

Injection Date: 26-Oct-2021 12:25:16

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: CCVC

Worklist Smp#: 7

Client ID:

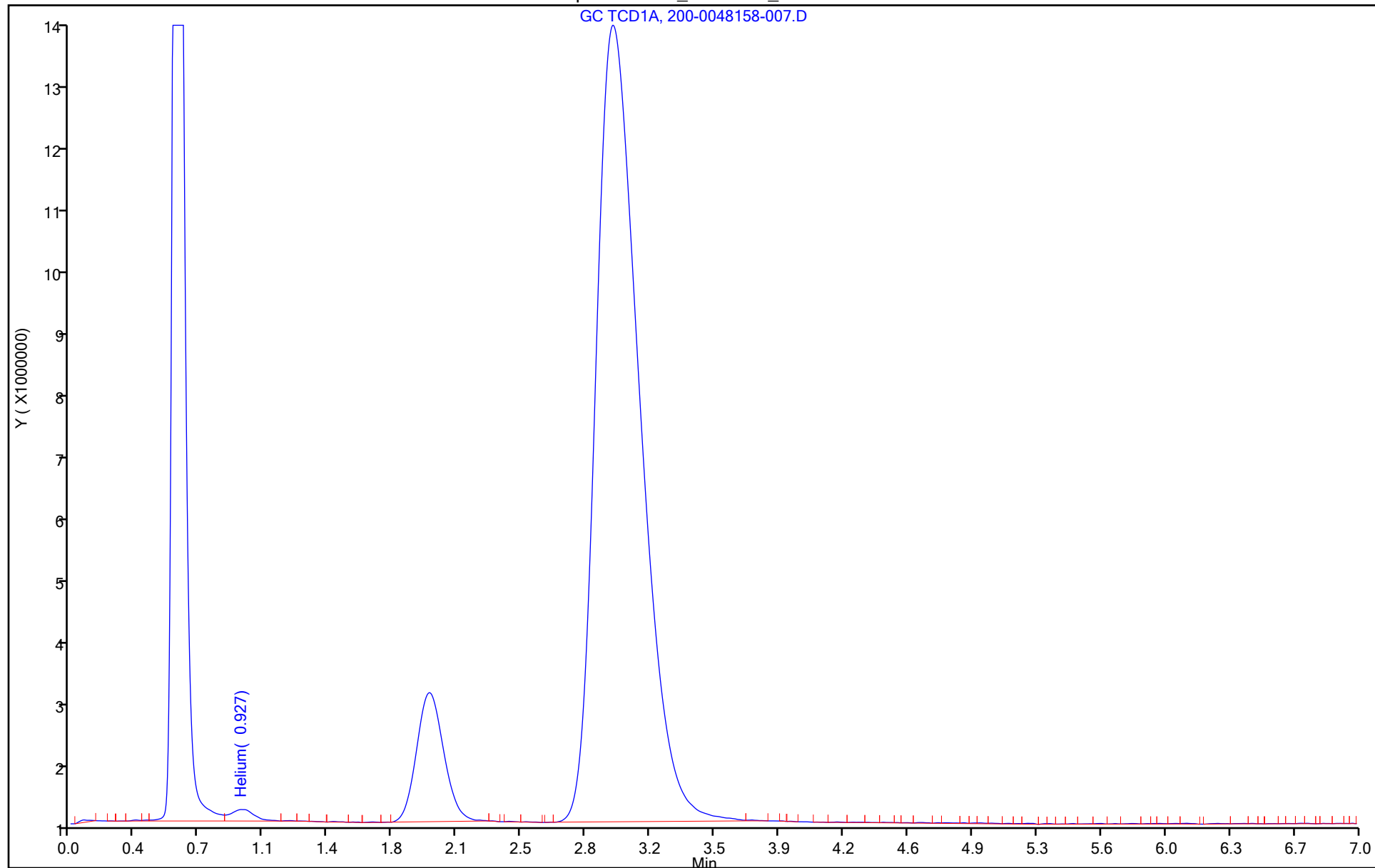
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 8

Method: D1946He

Limit Group: AI_D1946He_ICAL



FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: _____ Lab Sample ID: MB 200-173114/4
Matrix: Air Lab File ID: 200-0048158-004.D
Analysis Method: D1946 Date Collected: _____
Sample wt/vol: 300 (uL) Date Analyzed: 10/26/2021 11:53
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: CTR-1 ID: 3.175 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173114 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-004.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Oct-2021 11:53:42 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0048158-004
Operator ID: WRD Instrument ID: CH1031.i
Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
Limit Group: AI_D1946He_ICAL
Last Update: 26-Oct-2021 12:35:15 Calib Date: 18-Mar-2020 13:47:05
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 : Det: GC ADC1A

Process Host: CTX1683

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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Report Date: 26-Oct-2021 12:35:16

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-004.D

Injection Date: 26-Oct-2021 11:53:42

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: MB

Worklist Smp#: 4

Client ID:

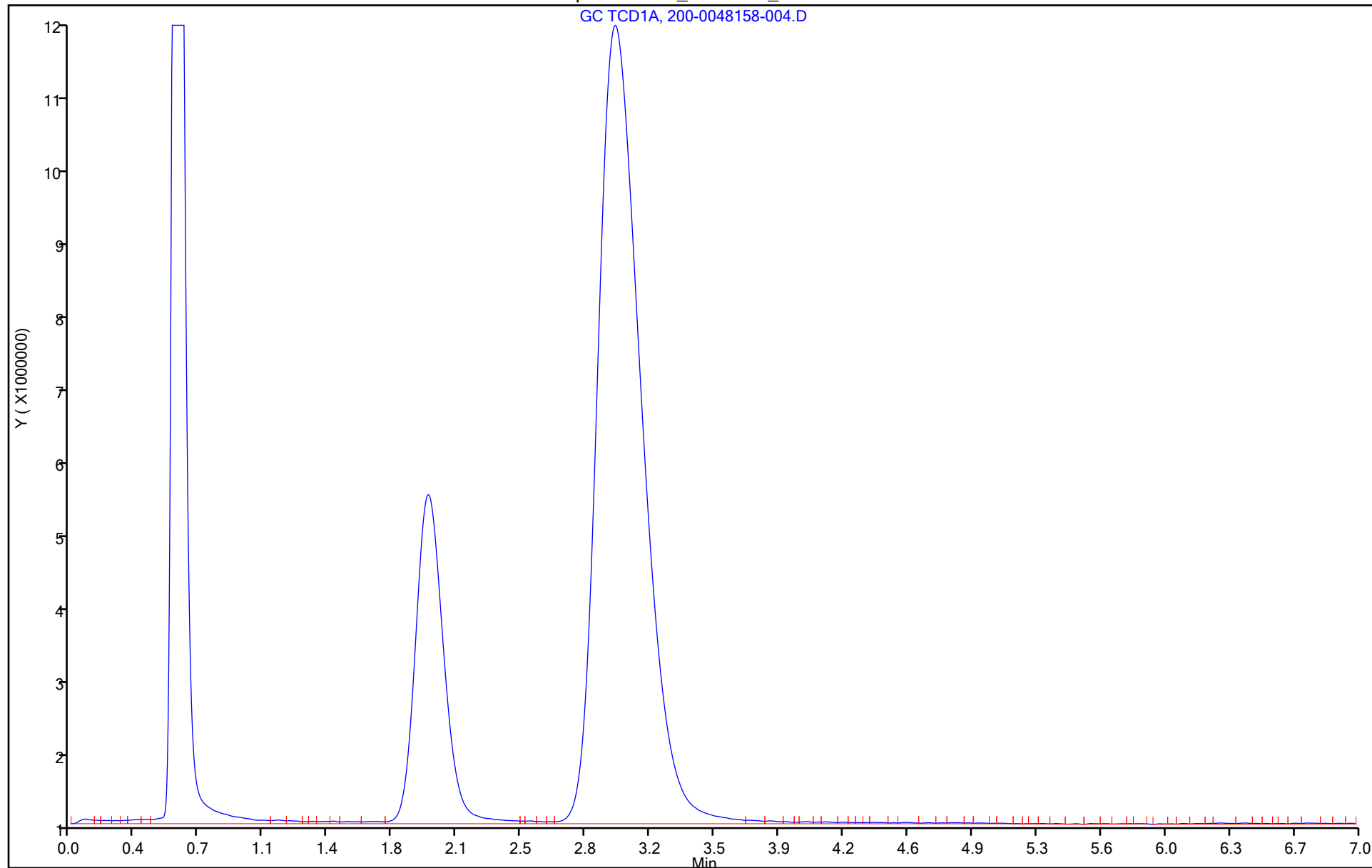
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 5

Method: D1946He

Limit Group: AI_D1946He_ICAL



FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: _____ Lab Sample ID: LCS 200-173114/2
Matrix: Air Lab File ID: 200-0048158-002.D
Analysis Method: D1946 Date Collected: _____
Sample wt/vol: 300 (uL) Date Analyzed: 10/26/2021 11:34
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: CTR-1 ID: 3.175 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173114 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	5.17		0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-002.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 26-Oct-2021 11:34:48 ALS Bottle#: 3 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048158-002
 Operator ID: WRD Instrument ID: CH1031.i
 Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
 Limit Group: AI_D1946He_ICAL
 Last Update: 26-Oct-2021 12:35:15 Calib Date: 18-Mar-2020 13:47:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 : Det: GC ADC1A
 Process Host: CTX1683

First Level Reviewer: zeniem Date: 26-Oct-2021 11:48:45

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.930	0.930	0.000	2075343	5.00	5.17	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

ATASTMHEICVw_00060 Amount Added: 300.00 Units: uL

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-002.D

Injection Date: 26-Oct-2021 11:34:48

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: LCS

Worklist Smp#: 2

Client ID:

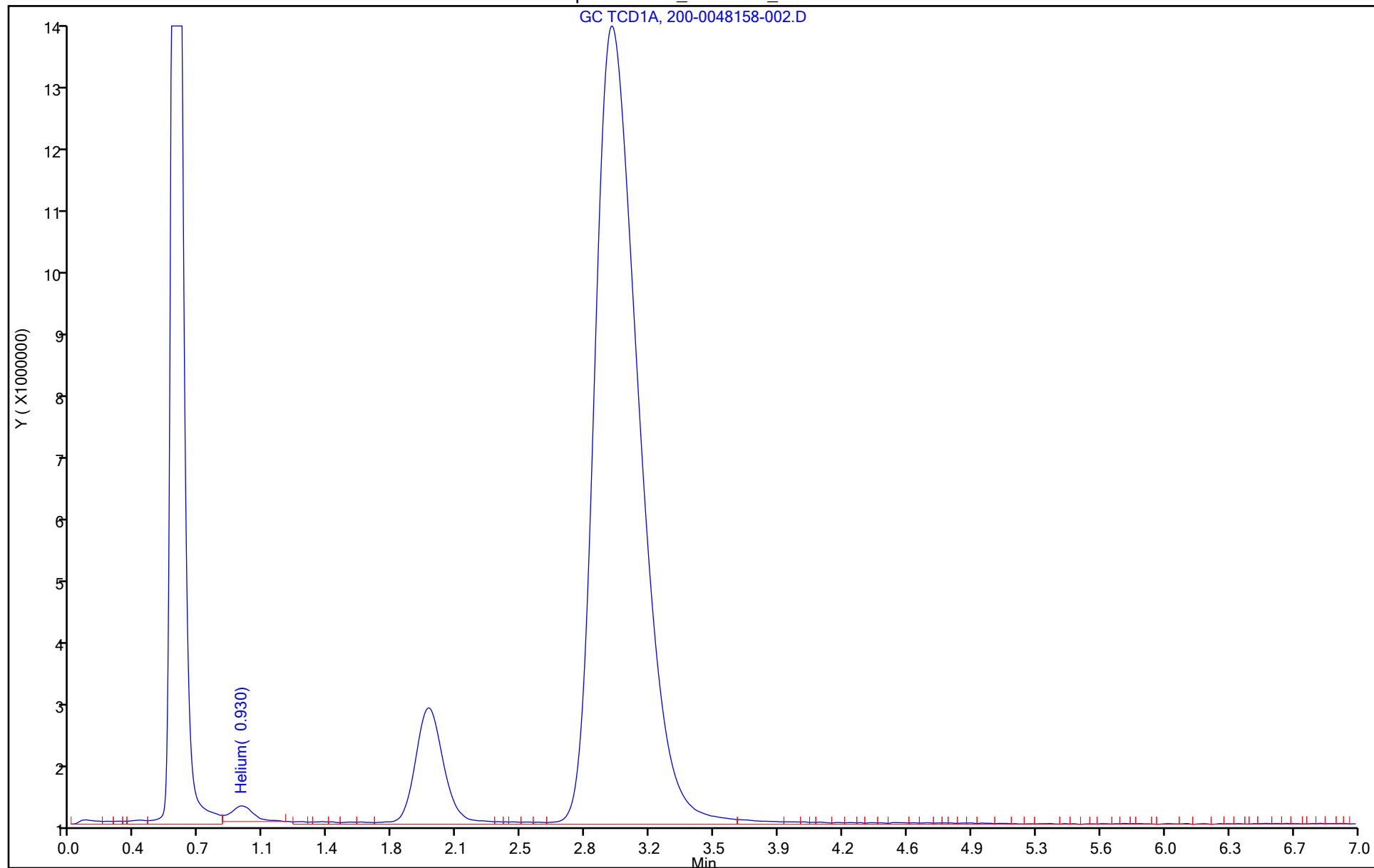
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 3

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

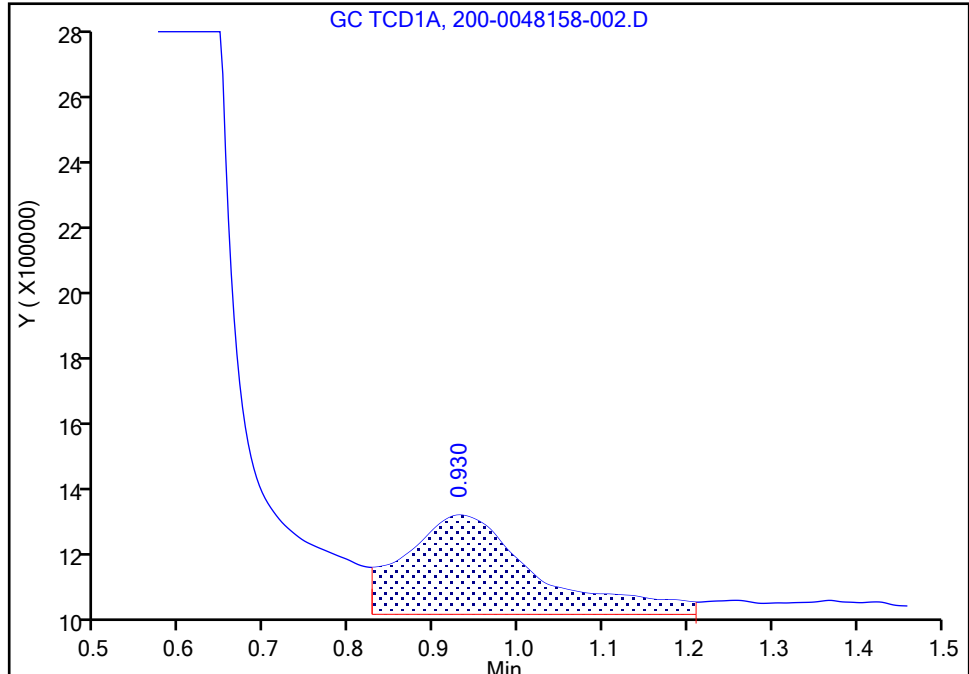
Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-002.D
Injection Date: 26-Oct-2021 11:34:48 Instrument ID: CH1031.i
Lims ID: LCS
Client ID:
Operator ID: WRD ALS Bottle#: 3 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

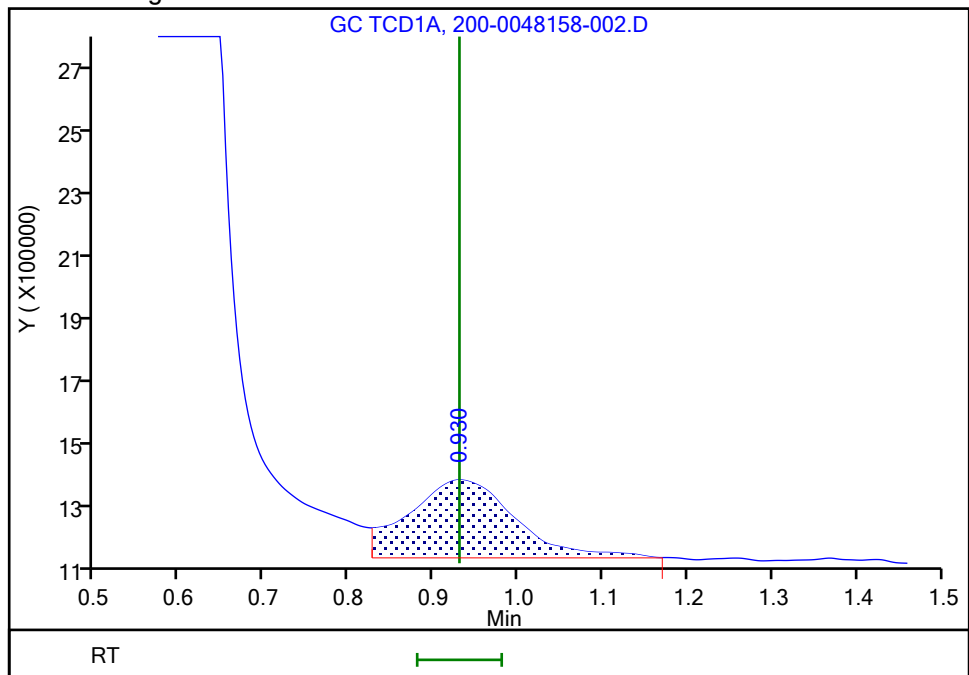
RT: 0.93
Area: 2989230
Amount: 7.441831
Amount Units: % v/v

Processing Integration Results



RT: 0.93
Area: 2075343
Amount: 5.166666
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 26-Oct-2021 11:48:37

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

FORM I
AIR - GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-60507-1
SDG No.: 200-60507-1
Client Sample ID: _____ Lab Sample ID: LCSD 200-173114/3
Matrix: Air Lab File ID: 200-0048158-003.D
Analysis Method: D1946 Date Collected: _____
Sample wt/vol: 300 (uL) Date Analyzed: 10/26/2021 11:44
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: CTR-1 ID: 3.175 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 173114 Units: % v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
7440-59-7	Helium	5.33		0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-003.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 26-Oct-2021 11:44:20 ALS Bottle#: 4 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0048158-003
Operator ID: WRD Instrument ID: CH1031.i
Method: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\D1946He.m
Limit Group: AI_D1946He_ICAL
Last Update: 26-Oct-2021 12:35:15 Calib Date: 18-Mar-2020 13:47:05
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Burlington\ChromData\CH1031.i\20200318-40476.b\200-0040476-007.D

Column 1 : Det: GC ADC1A
Process Host: CTX1683

First Level Reviewer: zeniem Date: 26-Oct-2021 12:03:17

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt % v/v	OnCol Amt % v/v	Flags
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1 Helium						M
0.933	0.930	0.003	2140551	5.00	5.33	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

ATASTMHEICVw_00060

Amount Added: 300.00

Units: uL

Report Date: 26-Oct-2021 12:35:16

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-003.D

Injection Date: 26-Oct-2021 11:44:20

Instrument ID: CH1031.i

Operator ID: WRD

Lims ID: LCSD

Worklist Smp#: 3

Client ID:

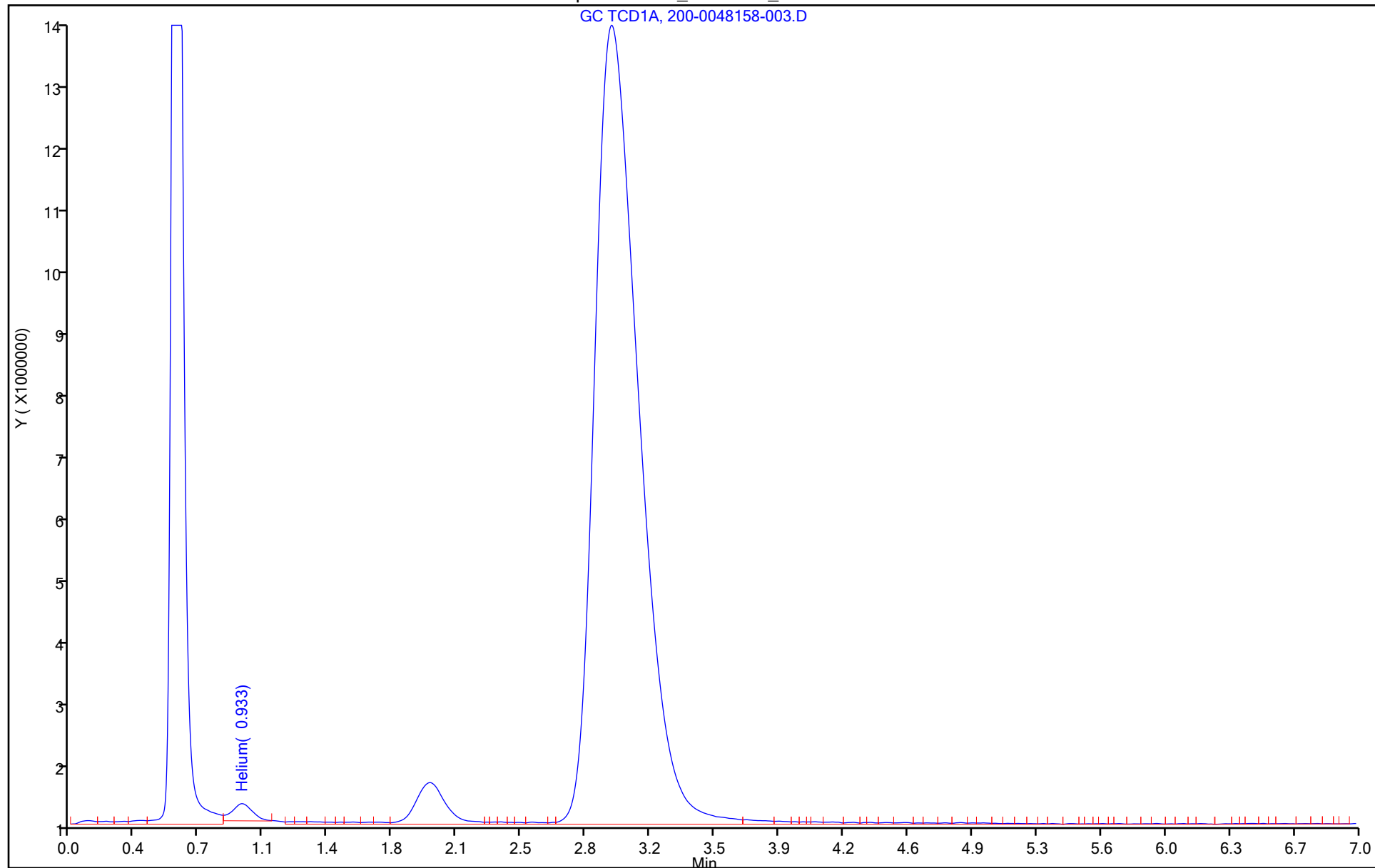
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 4

Method: D1946He

Limit Group: AI_D1946He_ICAL



Eurofins TestAmerica, Burlington

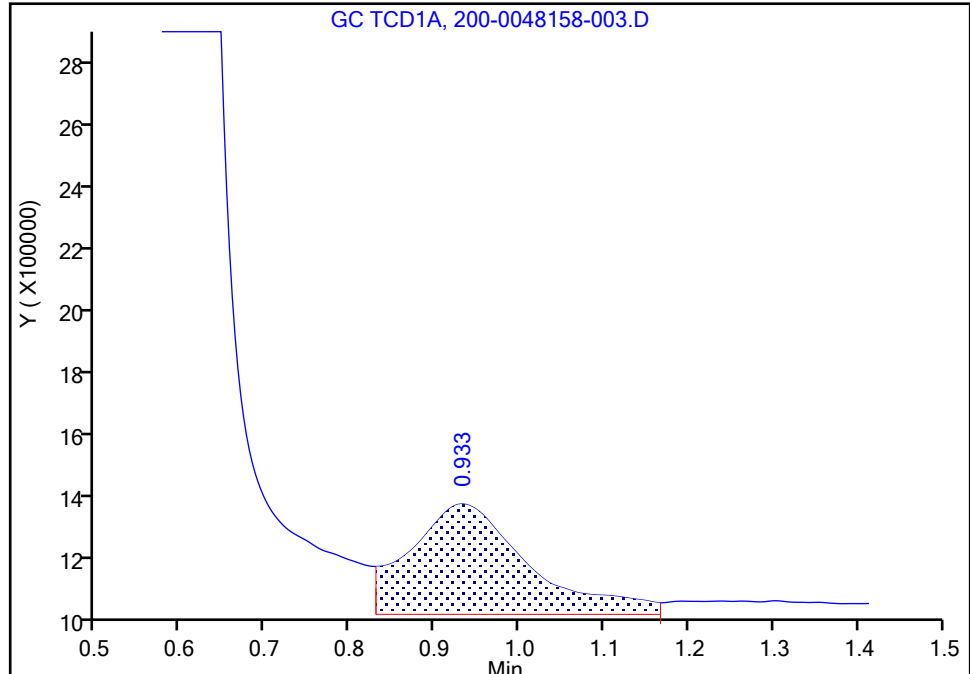
Data File: \\chromfs\Burlington\ChromData\CH1031.i\20211026-48158.b\200-0048158-003.D
Injection Date: 26-Oct-2021 11:44:20 Instrument ID: CH1031.i
Lims ID: LCSD
Client ID:
Operator ID: WRD ALS Bottle#: 4 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D1946He Limit Group: AI_D1946He_ICAL
Column: Detector GC ADC1A

1 Helium, CAS: 7440-59-7

Signal: 1

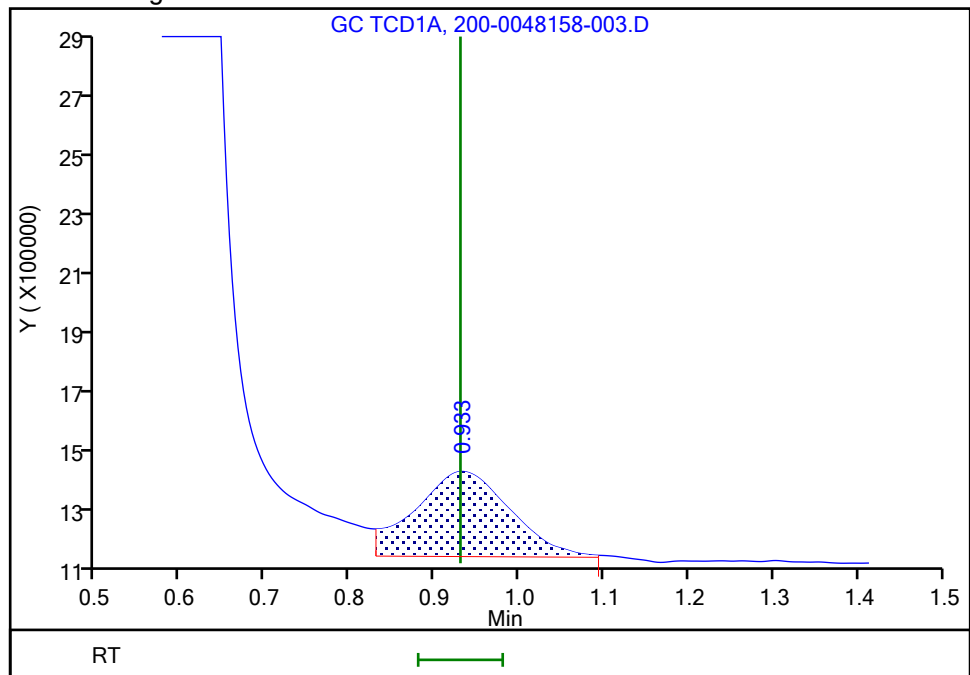
RT: 0.93
Area: 3183230
Amount: 7.924803
Amount Units: % v/v

Processing Integration Results



RT: 0.93
Area: 2140551
Amount: 5.329004
Amount Units: % v/v

Manual Integration Results



Reviewer: zeniem, 26-Oct-2021 11:52:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

AIR - GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

SDG No.: 200-60507-1

Instrument ID: CH1031.i

Start Date: 03/18/2020 12:50

Analysis Batch Number: 153347

End Date: 03/18/2020 18:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/18/2020 12:50	1		CTR-1 3.175 (mm)
IC 200-153347/2		03/18/2020 13:01	1	200-0040476-002.D	CTR-1 3.175 (mm)
IC 200-153347/3		03/18/2020 13:14	1	200-0040476-003.D	CTR-1 3.175 (mm)
IC 200-153347/4		03/18/2020 13:22	1	200-0040476-004.D	CTR-1 3.175 (mm)
ICRT 200-153347/5		03/18/2020 13:30	1	200-0040476-005.D	CTR-1 3.175 (mm)
IC 200-153347/6		03/18/2020 13:38	1	200-0040476-006.D	CTR-1 3.175 (mm)
IC 200-153347/7		03/18/2020 13:47	1	200-0040476-007.D	CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 14:01	1		CTR-1 3.175 (mm)
ICV 200-153347/9		03/18/2020 14:21	1	200-0040476-009.D	CTR-1 3.175 (mm)
CCVRT 200-153347/10		03/18/2020 14:30	1		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 14:38	1		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 14:48	1		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 14:58	1.83		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:06	1.83		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:15	1.48		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:23	1.76		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:32	1.82		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:41	1.38		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:49	2.14		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 15:58	18.5		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:07	36.67		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:15	1.42		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:23	2.01		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:31	1.27		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:43	1.46		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:51	1.62		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 16:59	1.27		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 17:07	1.52		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 17:15	1.28		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 17:23	1.66		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 17:32	1		CTR-1 3.175 (mm)
ZZZZZ		03/18/2020 17:46	1		CTR-1 3.175 (mm)
CCVC 200-153347/33		03/18/2020 18:00	1		CTR-1 3.175 (mm)

AIR - GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-60507-1

SDG No.: 200-60507-1

Instrument ID: CH1031.i

Start Date: 10/26/2021 11:22

Analysis Batch Number: 173114

End Date: 10/26/2021 12:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 200-173114/1		10/26/2021 11:22	1	200-0048158-001 .D	CTR-1 3.175 (mm)
LCS 200-173114/2		10/26/2021 11:34	1	200-0048158-002 .D	CTR-1 3.175 (mm)
LCSD 200-173114/3		10/26/2021 11:44	1	200-0048158-003 .D	CTR-1 3.175 (mm)
MB 200-173114/4		10/26/2021 11:53	1	200-0048158-004 .D	CTR-1 3.175 (mm)
200-60507-1	SS- GLARO	10/26/2021 12:04	1.35	200-0048158-005 .D	CTR-1 3.175 (mm)
200-60507-2	SS- MANUFACTURING	10/26/2021 12:16	1.35	200-0048158-006 .D	CTR-1 3.175 (mm)
CCVC 200-173114/7		10/26/2021 12:25	1	200-0048158-007 .D	CTR-1 3.175 (mm)

AIR - GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-60507-1

SDG No.: 200-60507-1

Batch Number: 153347 Batch Start Date: 03/18/20 12:50 Batch Analyst: Zenie, Matthew J

Batch Method: D1946 Batch End Date: 03/18/20 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATASTMHECCVw 00047	ATASTMHEICVw 00058
IC 200-153347/2		D1946		1	1	300 uL	300 uL	10 uL	
IC 200-153347/3		D1946		1	1	300 uL	300 uL	50 uL	
IC 200-153347/4		D1946		1	1	300 uL	300 uL	100 uL	
ICRT 200-153347/5		D1946		1	1	300 uL	300 uL	300 uL	
IC 200-153347/6		D1946		1	1	300 uL	300 uL	500 uL	
IC 200-153347/7		D1946		1	1	300 uL	300 uL	1000 uL	
ICV 200-153347/9		D1946		1	1	300 uL	300 uL		300 uL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-60507-1

SDG No.: 200-60507-1

Batch Number: 173114

Batch Start Date: 10/26/21 11:22

Batch Analyst: Zenie, Matthew J

Batch Method: D1946

Batch End Date: 10/26/21 12:25

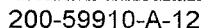
Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATASTMHECCVw 00049	ATASTMHEICVw 00060		
CCVRT 200-173114/1		D1946		300 uL	300 uL	300 uL			
LCS 200-173114/2		D1946		300 uL	300 uL		300 uL		
LCSD 200-173114/3		D1946		300 uL	300 uL		300 uL		
MB 200-173114/4		D1946		300 uL	300 uL				
200-60507-A-1	SS- GLARO	D1946	T	300 uL	300 uL				
200-60507-A-2	SS- MANUFACTURING	D1946	T	300 uL	300 uL				
CCVC 200-173114/7		D1946		300 uL	300 uL	300 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Canister Cleaning & Pre-Shipment Leak Test



Loc: 200

59910
#12 A
Air-Storage

Form ID: FAI023:12
Revision Date: 12/18/2018

TestAmerica Burlington

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1

SDG No.: _____

Matrix: Air Level: Low Lab File ID: 200-47482-007.D

Lab ID: LCS 200-171182/7 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.1	13.2	131	50-158	
Dichlorodifluoromethane	10.6	12.7	120	61-142	
Freon 22	10.6	12.4	117	60-147	
1,2-Dichlorotetrafluoroethane	10.6	11.9	112	71-141	
Chloromethane	9.94	12.4	125	56-141	
n-Butane	10.3	11.1	108	53-151	
Vinyl chloride	9.99	11.0	111	61-135	
1,3-Butadiene	9.70	10.4	107	58-139	
Bromomethane	10.4	10.7	103	72-124	
Chloroethane	10.6	11.0	104	68-130	
Bromoethene (Vinyl Bromide)	10.0	10.7	107	75-125	
Trichlorofluoromethane	10.4	11.3	109	70-129	
Ethanol	14.7	16.8	115	50-150	
Freon TF	10.7	10.5	98	70-121	
1,1-Dichloroethene	10.2	10.8	106	68-120	
Acetone	10.4	12.3	118	54-154	
Isopropyl alcohol	10.2	11.9	117	53-142	
Carbon disulfide	10.4	10.7	103	71-138	
3-Chloropropene	10.7	10.1	94	50-150	
Methylene Chloride	10.2	10.7	105	59-137	
tert-Butyl alcohol	10.8	12.6	117	66-132	
Methyl tert-butyl ether	10.6	10.5	100	70-127	
trans-1,2-Dichloroethene	10.3	9.49	92	69-137	
n-Hexane	10.5	10.1	97	63-138	
1,1-Dichloroethane	10.3	9.39	91	66-130	
Vinyl acetate	10.1	11.5	115	59-149	
Ethyl acetate	10.2	11.9	117	70-131	
Methyl Ethyl Ketone	10.4	11.1	107	72-124	
cis-1,2-Dichloroethene	10.4	10.3	99	72-121	
Chloroform	10.3	9.49	92	73-124	
Tetrahydrofuran	9.81	13.5	138	60-149	
1,1,1-Trichloroethane	10.3	11.1	108	72-127	
Cyclohexane	10.2	11.1	109	76-124	
Carbon tetrachloride	10.0	11.1	110	71-133	
2,2,4-Trimethylpentane	10.1	10.8	106	68-131	
Benzene	10.4	9.96	96	73-119	
1,2-Dichloroethane	10.5	9.99	96	68-135	
n-Heptane	10.3	10.2	99	60-142	
Trichloroethene	10.3	9.36	91	73-122	
Methyl methacrylate	10.2	11.3	111	73-129	
1,2-Dichloropropane	10.3	10.3	100	69-128	
1,4-Dioxane	10.3	13.5	131	66-129	*+

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1

SDG No.: _____

Matrix: Air Level: Low Lab File ID: 200-47482-007.D

Lab ID: LCS 200-171182/7 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.3	10.4	101	75-127	
cis-1,3-Dichloropropene	9.94	10.0	101	74-125	
methyl isobutyl ketone	10.2	10.3	101	58-144	
Toluene	10.2	10.4	102	75-122	
trans-1,3-Dichloropropene	9.85	9.94	101	74-128	
1,1,2-Trichloroethane	10.5	10.7	102	75-126	
Tetrachloroethene	10.5	10.7	102	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.1	10.8	107	57-143	
Dibromochloromethane	10.6	10.1	95	73-125	
1,2-Dibromoethane	10.7	11.4	107	78-122	
Chlorobenzene	10.5	10.8	103	76-119	
Ethylbenzene	10.2	10.6	104	74-122	
m,p-Xylene	20.0	23.9	119	76-121	
Xylene, o-	10.4	11.6	112	73-123	
Styrene	10.3	11.9	116	74-125	
Bromoform	10.3	12.1	118	53-149	
Cumene	10.5	11.9	114	73-123	
1,1,2,2-Tetrachloroethane	10.3	11.2	109	74-126	
n-Propylbenzene	10.4	11.5	111	73-127	
4-Ethyltoluene	10.2	11.8	115	75-129	
1,3,5-Trimethylbenzene	10.5	11.9	114	72-126	
2-Chlorotoluene	10.4	11.4	109	74-126	
tert-Butylbenzene	10.4	11.9	115	71-125	
1,2,4-Trimethylbenzene	10.4	11.8	113	71-129	
sec-Butylbenzene	10.5	11.9	113	70-128	
4-Isopropyltoluene	10.5	11.7	112	68-130	
1,3-Dichlorobenzene	10.2	12.6	124	69-131	
1,4-Dichlorobenzene	10.4	12.2	118	67-132	
Benzyl chloride	10.2	12.5	123	60-136	
n-Butylbenzene	10.5	11.8	113	65-137	
1,2-Dichlorobenzene	10.8	12.4	115	68-129	
1,2,4-Trichlorobenzene	11.0	14.2	129	50-150	
Hexachlorobutadiene	10.8	12.0	110	58-130	
Naphthalene	10.5	12.9	122	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
SDG No.: _____
Lab File ID: 200-47482-009.D Lab Sample ID: MB 200-171182/9
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 09/10/2021 16:13
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 200-171182/7	200-47482-0 07.D	09/10/2021 14:28
2860	200-59910-12	200-47482-0 10.D	09/10/2021 17:06

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-171182/9

Matrix: Air Lab File ID: 200-47482-009.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2021 16:13

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.: 171182 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	0.50	U	0.50	0.50
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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-171182/9

Matrix: Air Lab File ID: 200-47482-009.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2021 16:13

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.: 171182 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-171182/9
 Matrix: Air Lab File ID: 200-47482-009.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2021 16:13
 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.: 171182 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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
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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 10-Sep-2021 16:13:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0047482-009
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Sep-2021 11:40:40 Calib Date: 03-Sep-2021 16:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20210903-47404.b\200-47404-009.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: bunmaa

Date: 13-Sep-2021 11:40:40

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		3.046					ND	7
2 Dichlorodifluoromethane	85		3.105					ND	7
3 Chlorodifluoromethane	51		3.115					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.308					ND	7
5 Chloromethane	50		3.372					ND	U
7 Vinyl chloride	62		3.559					ND	U
6 Butane	43		3.570					ND	7
8 Butadiene	54		3.634					ND	U
10 Bromomethane	94		4.073					ND	7
11 Chloroethane	64		4.249					ND	
12 2-Methylbutane	43		4.431					ND	7
13 Vinyl bromide	106		4.560					ND	U
14 Trichlorofluoromethane	101		4.688					ND	7
16 Pentane	43		4.854					ND	U
17 Ethanol	45	4.956	4.907	0.049	96	16409		4.08	
18 Ethyl ether	59		5.159					ND	U
19 Acrolein	56		5.303					ND	
21 1,1-Dichloroethene	96		5.528					ND	U
22 Acetone	43		5.539					ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.571					ND	7
24 Isopropyl alcohol	45		5.790					ND	
23 Carbon disulfide	76		5.897					ND	7
26 Acetonitrile	41		5.924					ND	U
25 3-Chloro-1-propene	41		6.111					ND	7
27 Methylene Chloride	49		6.298					ND	7
28 2-Methyl-2-propanol	59		6.502					ND	
32 Acrylonitrile	53		6.625					ND	7
31 trans-1,2-Dichloroethene	61		6.801					ND	7
29 Methyl tert-butyl ether	73		6.833					ND	7
33 Hexane	57		7.325					ND	7
34 1,1-Dichloroethane	63		7.497					ND	7
35 Vinyl acetate	43		7.513					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 2-Butanone (MEK)	72		8.422					ND	7
37 cis-1,2-Dichloroethene	96		8.460					ND	7
39 Ethyl acetate	88		8.534					ND	U
* 40 Chlorobromomethane	128	8.850	8.850	0.000	85	134209	10.0	10.0	
41 Tetrahydrofuran	42		8.952					ND	7
42 Chloroform	83		9.032					ND	
44 1,1,1-Trichloroethane	97		9.374					ND	7
43 Cyclohexane	84		9.562					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	7
45 Carbon tetrachloride	117		9.685					ND	7
47 Benzene	78		10.016					ND	U
48 1,2-Dichloroethane	62		10.054					ND	
46 Isooctane	57		10.327					ND	
49 n-Heptane	43		10.669					ND	7
* 50 1,4-Difluorobenzene	114	10.808	10.808	0.000	94	748432	10.0	10.0	
52 n-Butanol	56		11.086					ND	
53 Trichloroethene	95		11.295					ND	7
54 1,2-Dichloropropane	63		11.760					ND	
55 Methyl methacrylate	69		11.921					ND	
57 Dibromomethane	174		11.921					ND	7
56 1,4-Dioxane	88		11.948					ND	7
58 Dichlorobromomethane	83		12.285					ND	
A 51 GRO	1	12.309	(4.421-20.196)		0	1818054		0	
60 cis-1,3-Dichloropropene	75		13.183					ND	7
61 4-Methyl-2-pentanone (MIBK)	43		13.488					ND	7
65 Toluene	92	13.911	13.911	0.000	53	2048		0.0511	M
A 63 Toluene Range	92	13.911	(13.871-13.951)		0	16745		NC	
A 59 TVOC as Toluene	92	14.007	(3.036-24.979)		0	2514082		0	
64 n-Octane	43		14.280					ND	7
A 62 C8 Range	1		(14.230-14.330)					ND	
66 trans-1,3-Dichloropropene	75		14.328					ND	7
67 1,1,2-Trichloroethane	83		14.719					ND	7
68 Tetrachloroethene	166		15.002					ND	
69 2-Hexanone	43		15.206					ND	7
71 Chlorodibromomethane	129		15.510					ND	7
72 Ethylene Dibromide	107		15.757					ND	7
* 74 Chlorobenzene-d5	117	16.752	16.752	0.000	86	670464	10.0	10.0	
75 Chlorobenzene	112		16.816					ND	U
76 Ethylbenzene	91	17.057	17.057	0.006	30	4072		0.0430	M
78 m-Xylene & p-Xylene	106		17.329					ND	7
77 n-Nonane	57		17.490					ND	
79 o-Xylene	106	18.127	18.127	-0.010	40	1498		0.0434	M
80 Styrene	104		18.164					ND	7
81 Bromoform	173		18.501					ND	7
82 Isopropylbenzene	105		18.940					ND	7
* 83 4-Bromofluorobenzene	95	19.255	19.255	0.000	93	499519	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83		19.475					ND	7
86 1,2,3-Trichloropropane	75		19.576					ND	
S 73 Xylenes, Total	106				0			0.0434	
85 N-Propylbenzene	91		19.753					ND	MU
89 2-Chlorotoluene	91		19.892					ND	7
88 4-Ethyltoluene	105		19.977					ND	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 1,3,5-Trimethylbenzene	105		20.090					ND	U
87 n-Decane	57		20.186					ND	
91 Alpha Methyl Styrene	118		20.438					ND	U
92 tert-Butylbenzene	119		20.614					ND	U
93 1,2,4-Trimethylbenzene	105		20.705					ND	7
94 sec-Butylbenzene	105		20.967					ND	U
96 1,3-Dichlorobenzene	146		21.122					ND	MU
95 4-Isopropyltoluene	119		21.203					ND	7
97 1,4-Dichlorobenzene	146	21.272	21.272	0.000	37	2904		0.0441	
98 Benzyl chloride	91	21.422	21.422	0.000	1	2761		0.0330	M
101 1,2-Dichlorobenzene	146	21.770	21.775	-0.005	27	2750		0.0430	
100 n-Butylbenzene	91		21.786					ND	U
99 Undecane	57		21.989					ND	7
102 Dodecane	57		23.540					ND	7
103 1,2,4-Trichlorobenzene	180	24.150	24.150	0.000	25	6546		0.1185	M
104 Hexachlorobutadiene	225		24.423					ND	U
105 Naphthalene	128	24.573	24.578	-0.005	40	9002		0.0776	
106 1,2,3-Trichlorobenzene	180		24.969					ND	U

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00017

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 13-Sep-2021 11:40:41

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

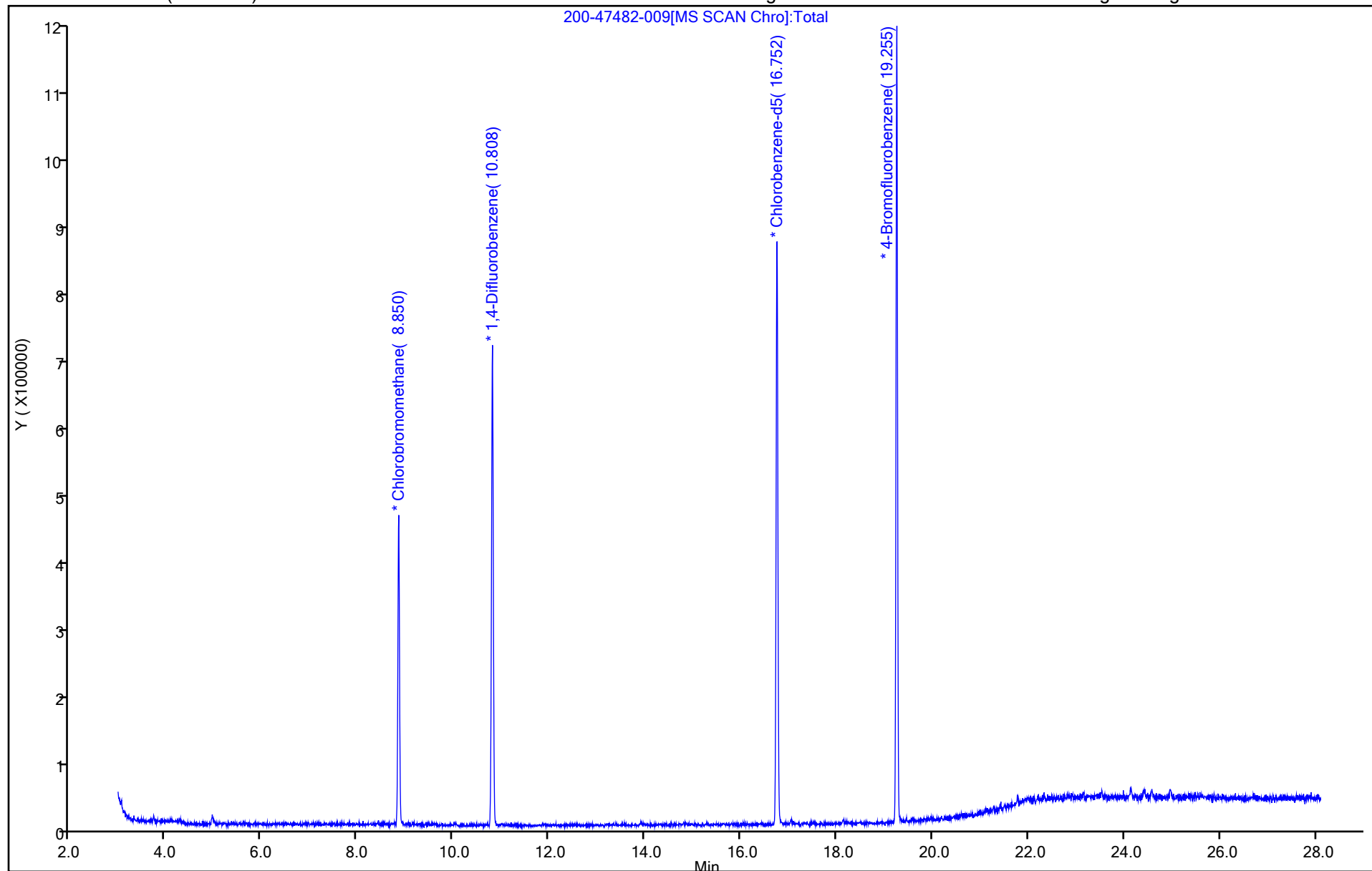
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

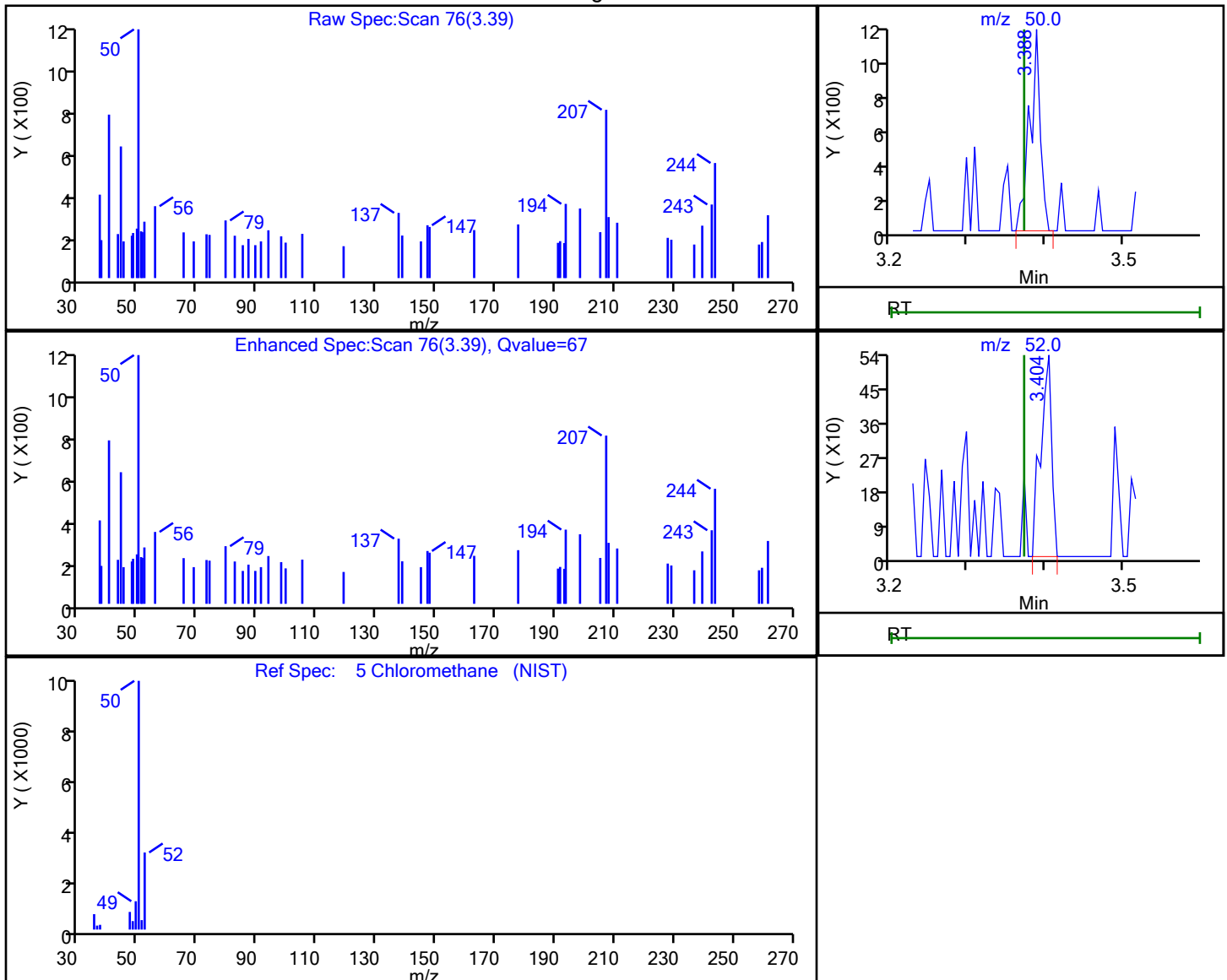
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
3.39	50.00	1125	0.081337
3.40	52.00	534	

Reviewer: bunmaa, 13-Sep-2021 11:32:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

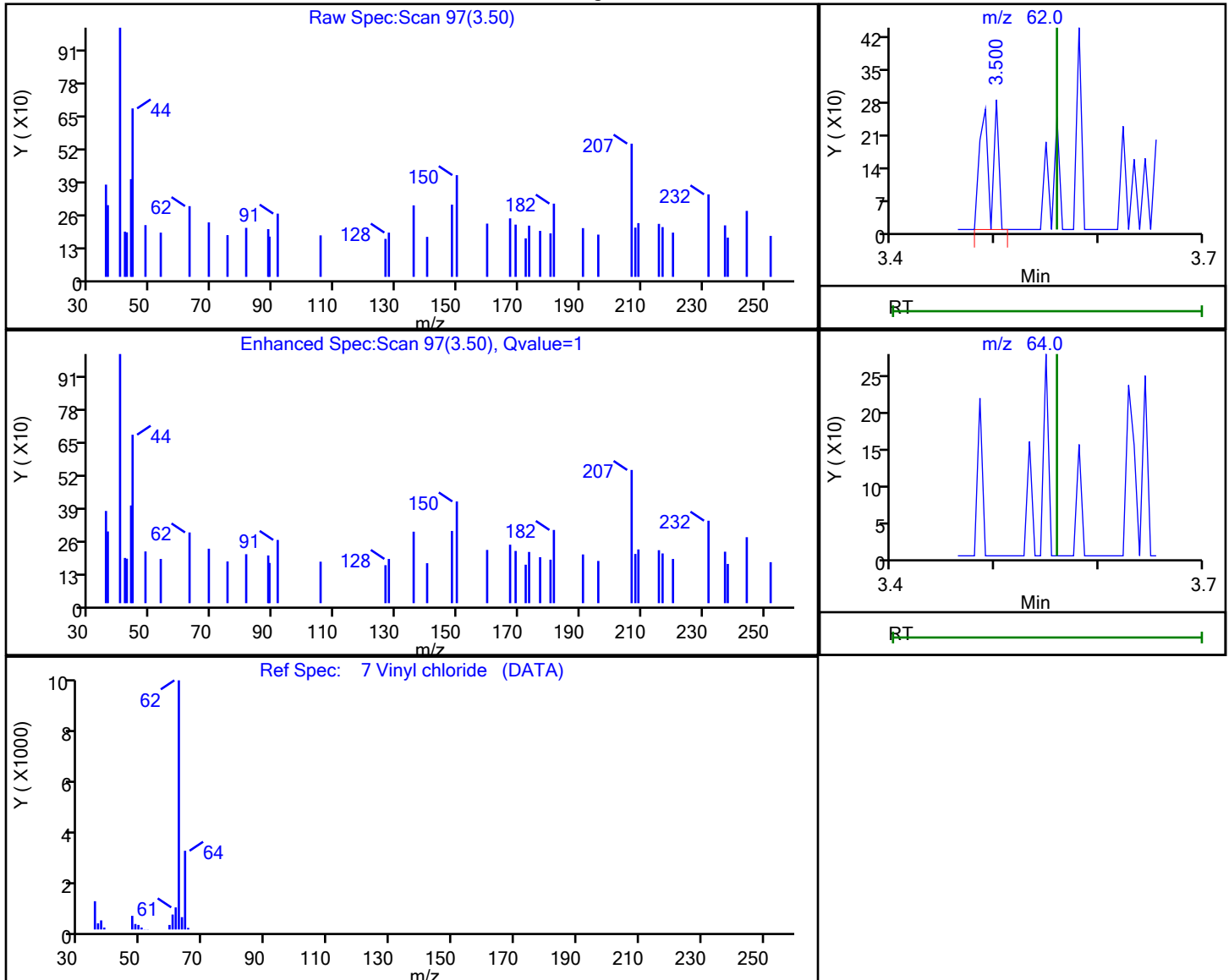
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
3.50	62.00	238	0.015226
3.56	64.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:32:14

Audit Action: Marked Compound Undetected

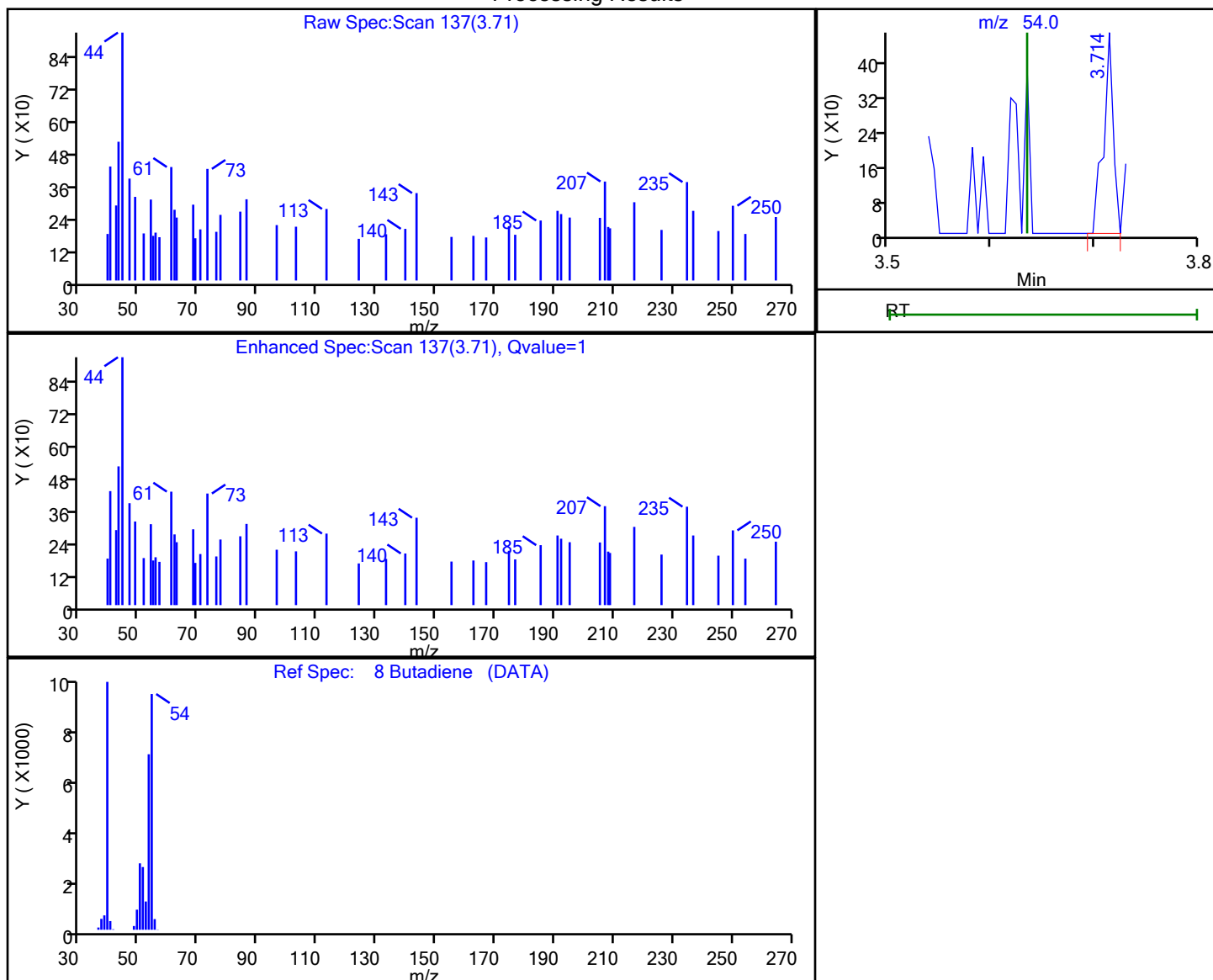
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

8 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.71	54.00	310	0.028206

Reviewer: bunmaa, 13-Sep-2021 11:32:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

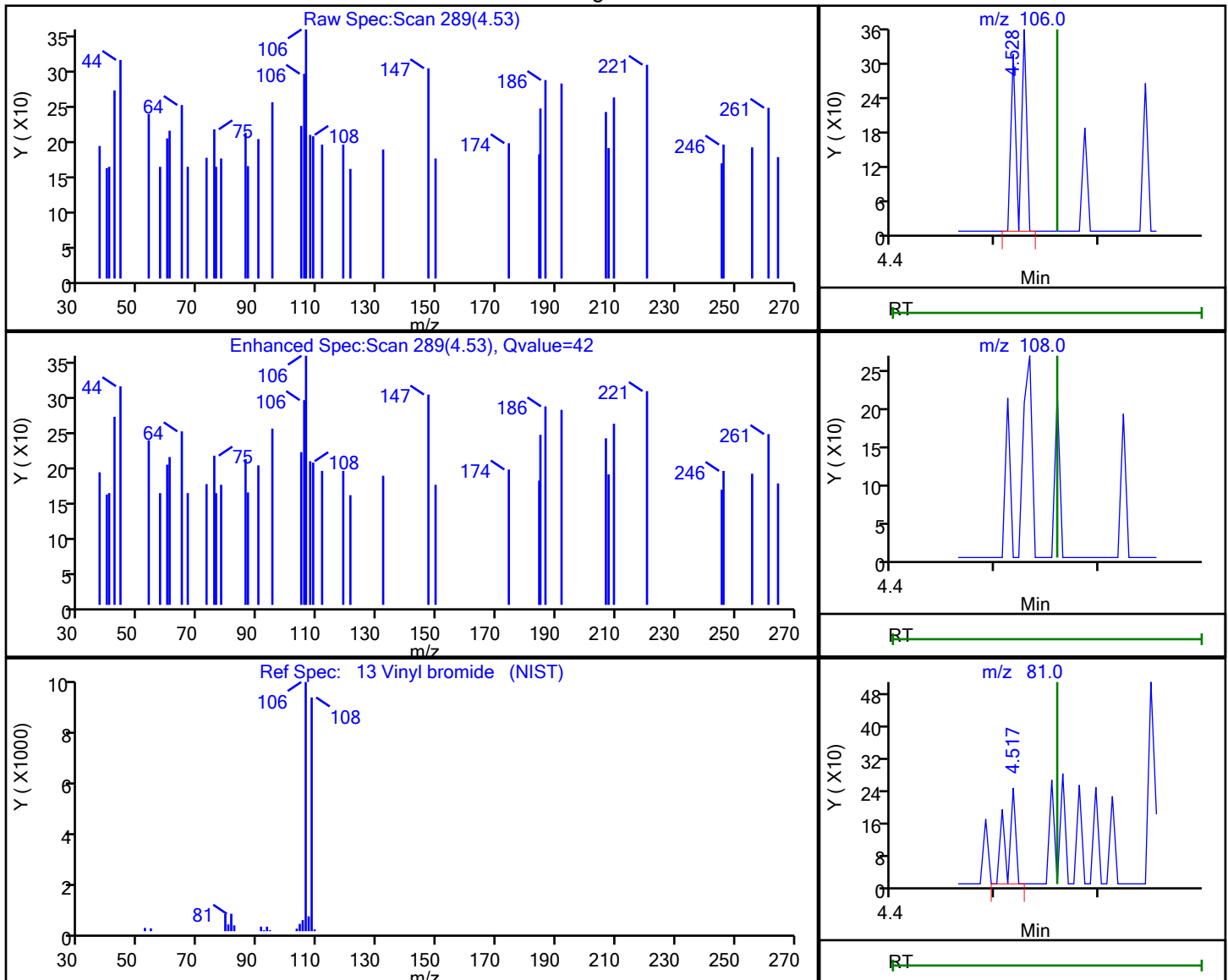
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

13 Vinyl bromide, CAS: 593-60-2

Processing Results



RT	Mass	Response	Amount
4.53	106.00	216	0.014074
4.56	108.00	0	
4.52	81.00	137	

Reviewer: bunmaa, 13-Sep-2021 11:32:30

Audit Action: Marked Compound Undetected

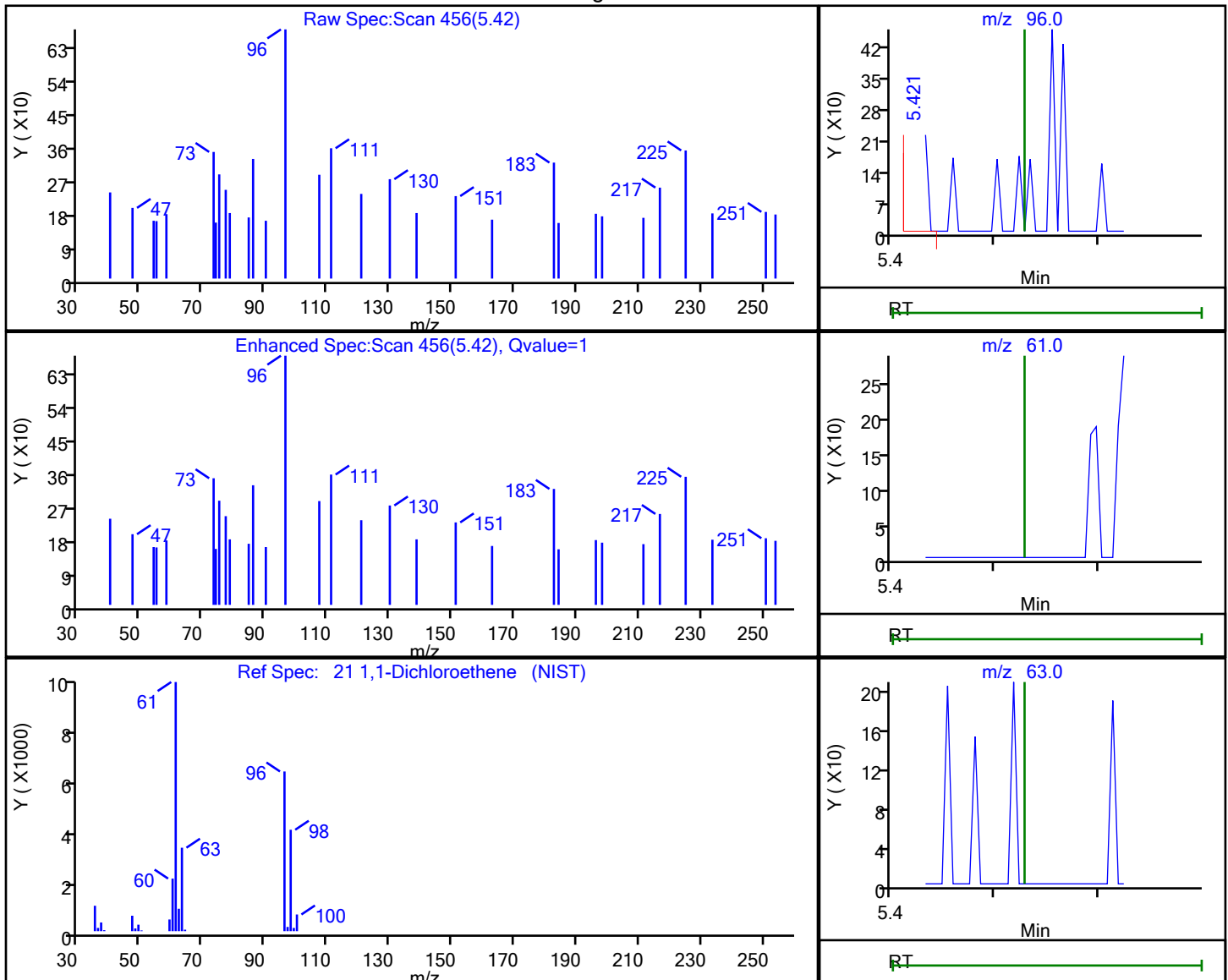
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.42	96.00	287	0.019930
5.53	61.00	0	
5.53	63.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:33:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

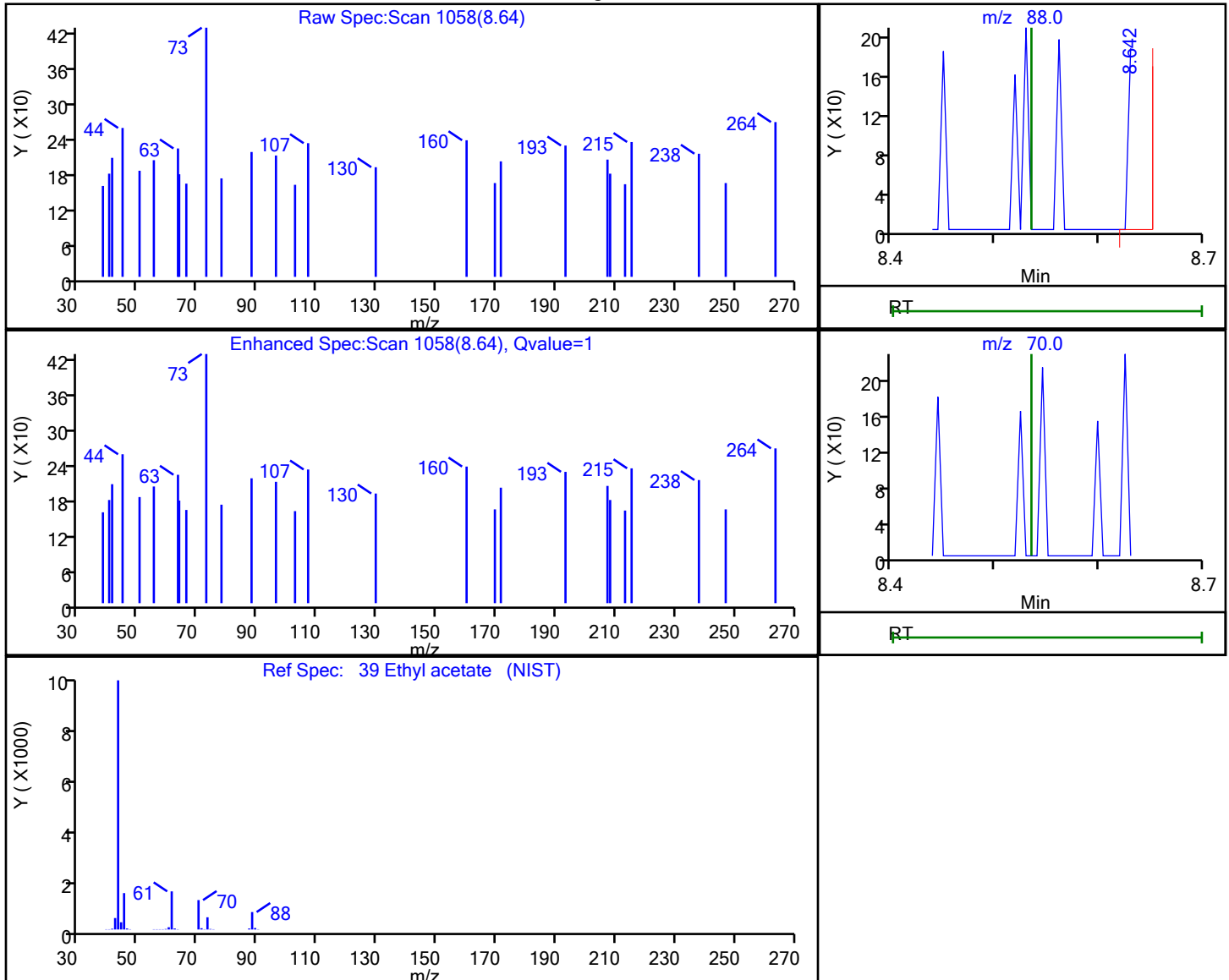
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

39 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
8.64	88.00	128	0.201978
8.53	70.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:33:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

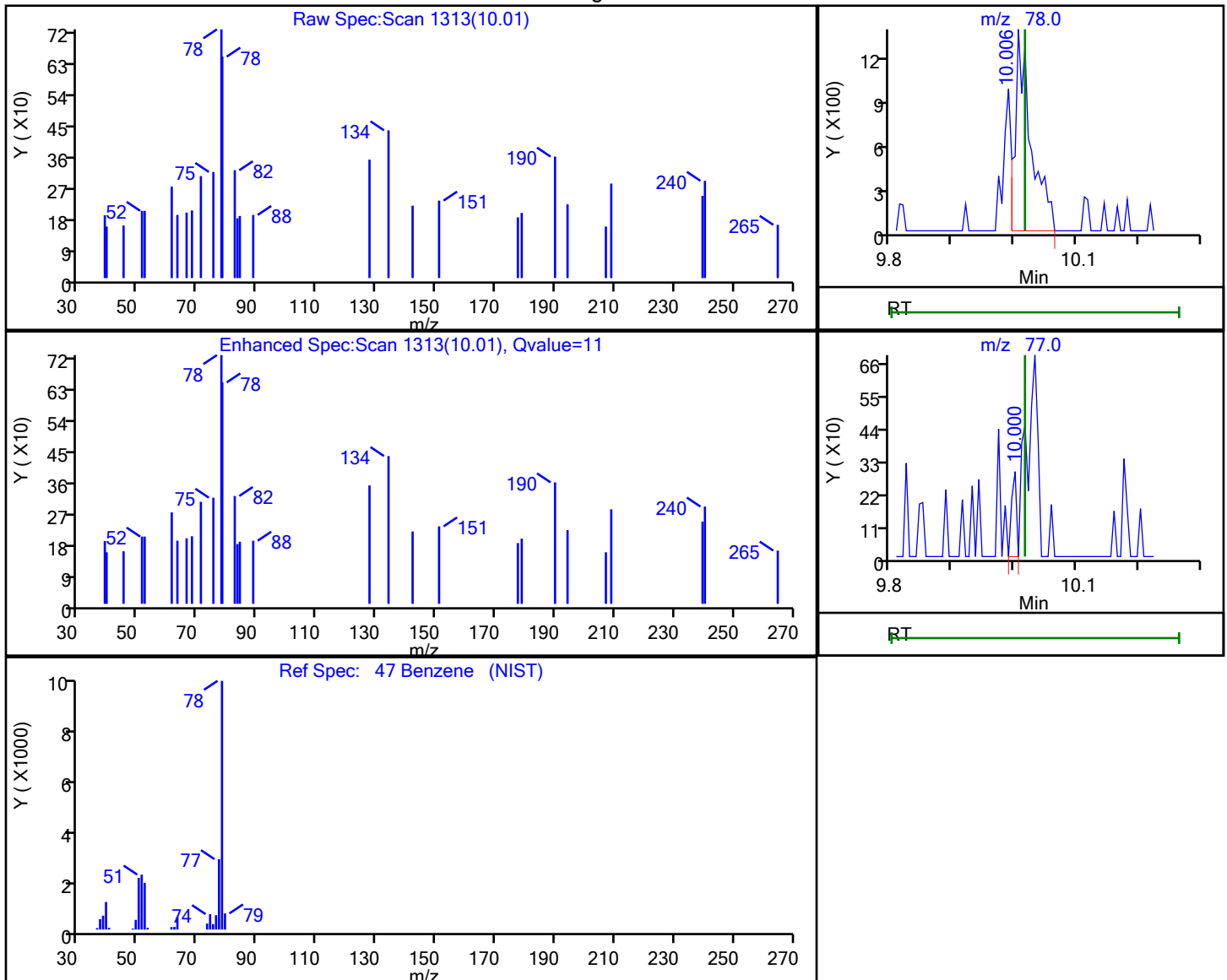
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
10.01	78.00	2436	0.049718
10.00	77.00	158	

Reviewer: bunmaa, 13-Sep-2021 11:34:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

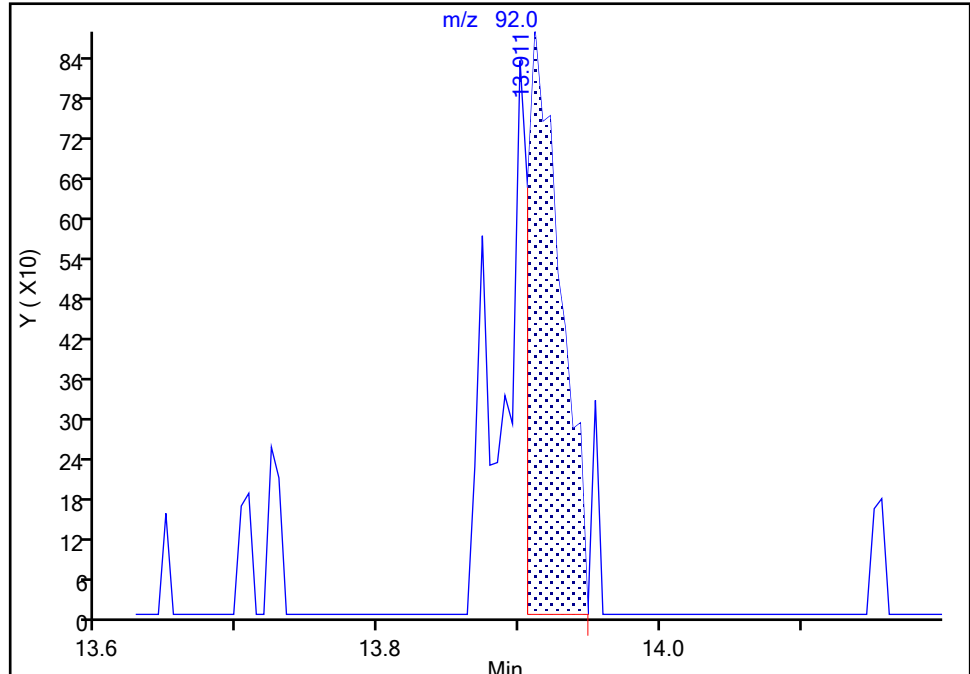
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Signal: 1

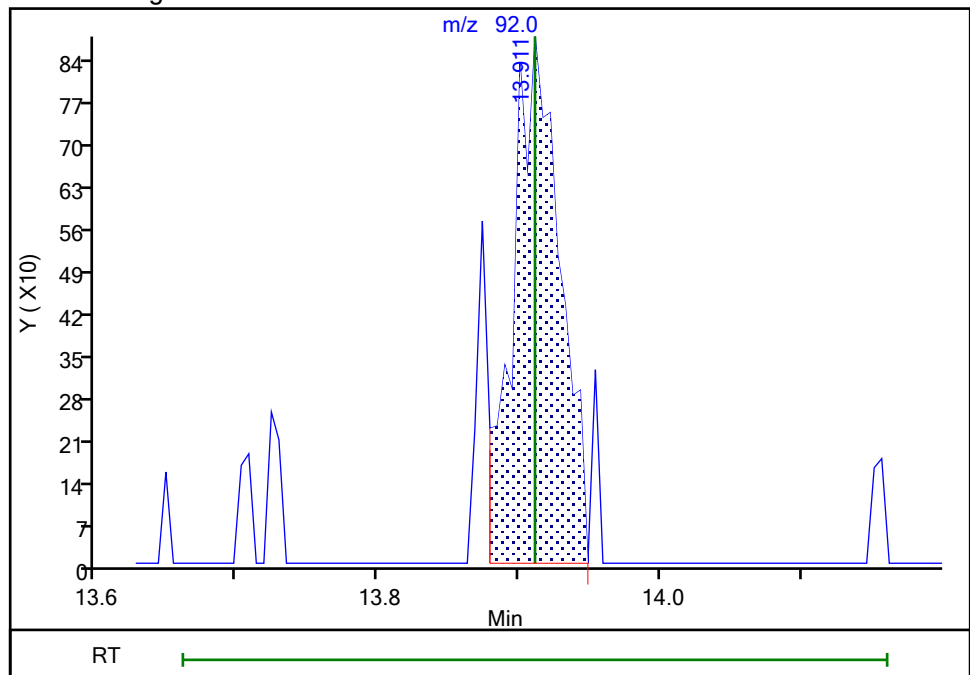
RT: 13.91
Area: 1442
Amount: 0.035992
Amount Units: ppb v/v

Processing Integration Results



RT: 13.91
Area: 2048
Amount: 0.051118
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:35:38
Audit Action: Manually Integrated

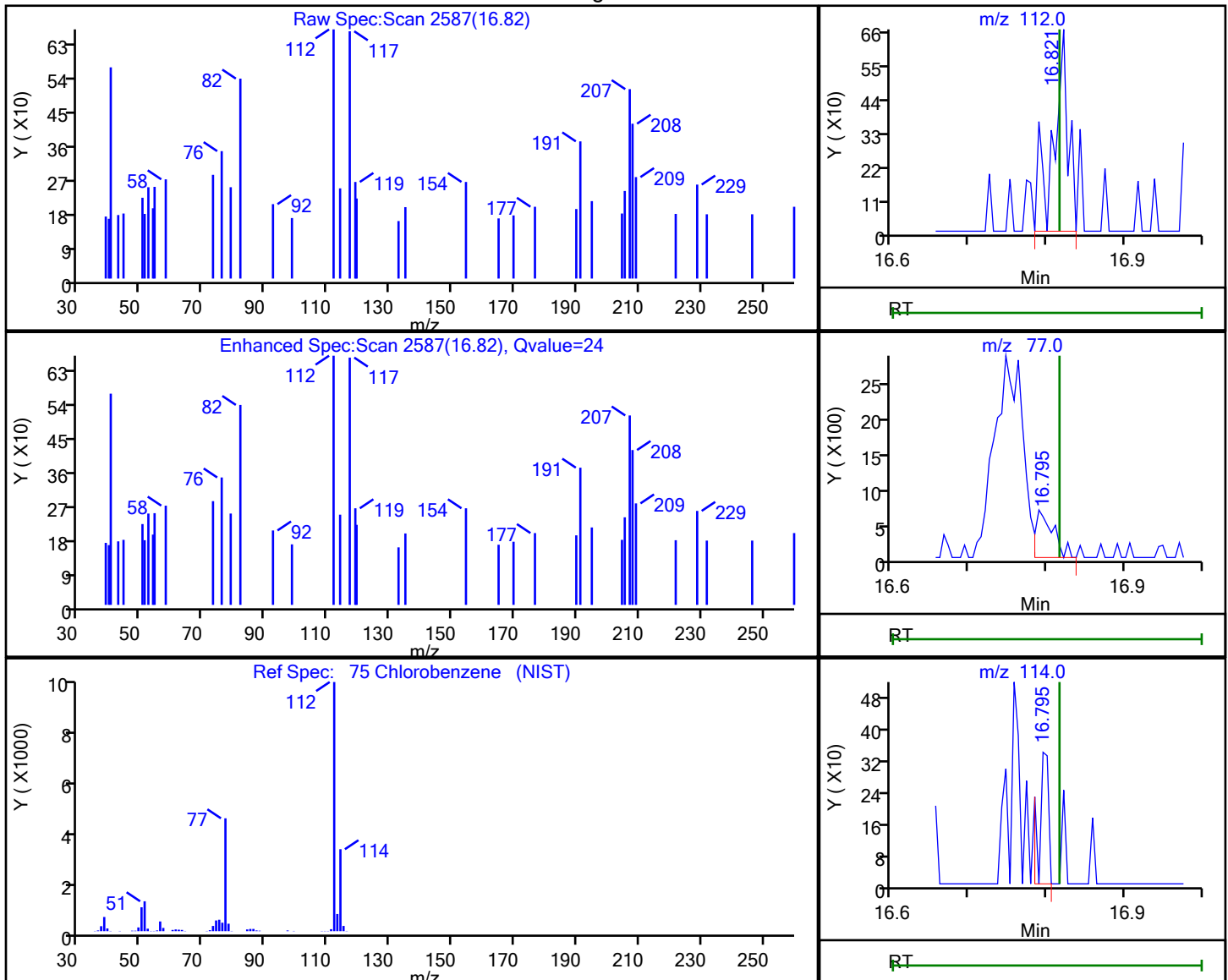
Audit Reason: Assign Peak
Page 294 of 356

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

75 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
16.82	112.00	888	0.015598
16.79	77.00	1026	
16.79	114.00	285	

Reviewer: bunmaa, 13-Sep-2021 11:36:01

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

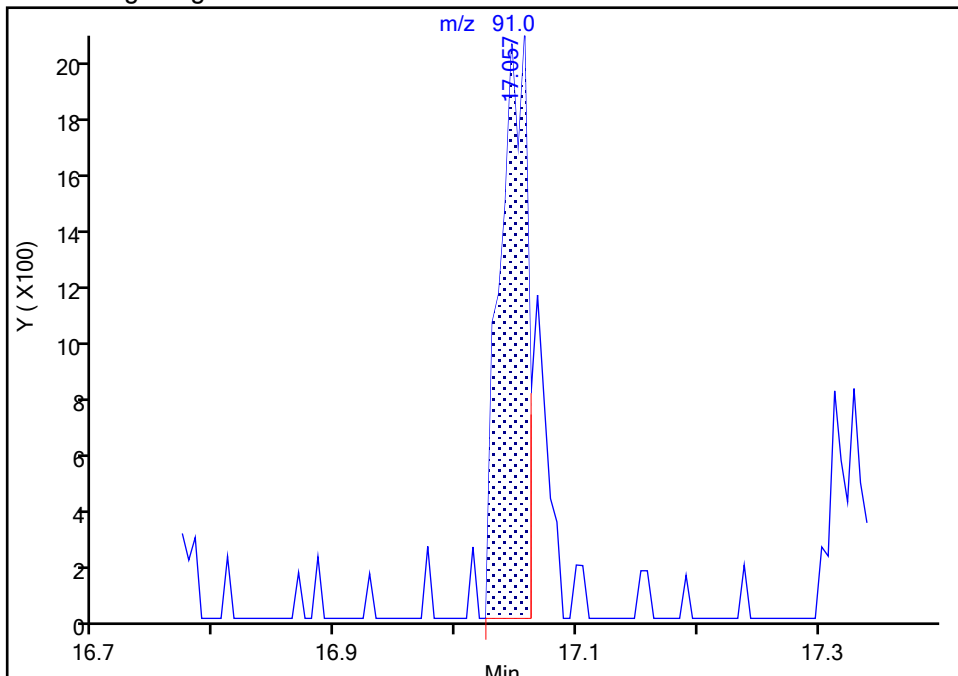
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Signal: 1

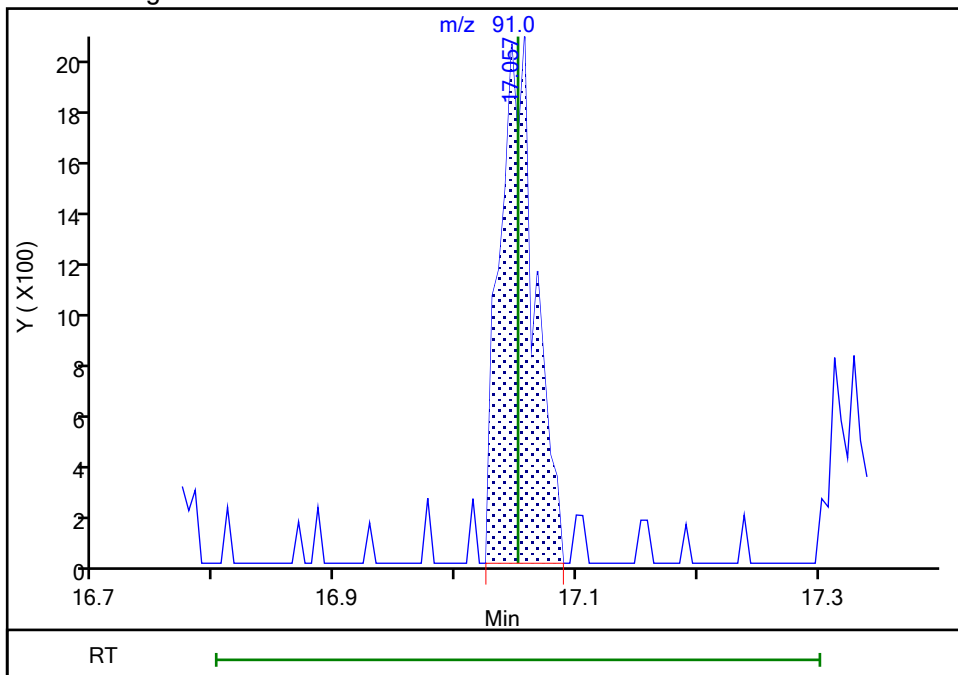
RT: 17.06
Area: 3223
Amount: 0.034001
Amount Units: ppb v/v

Processing Integration Results



RT: 17.06
Area: 4072
Amount: 0.042958
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:36:11

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

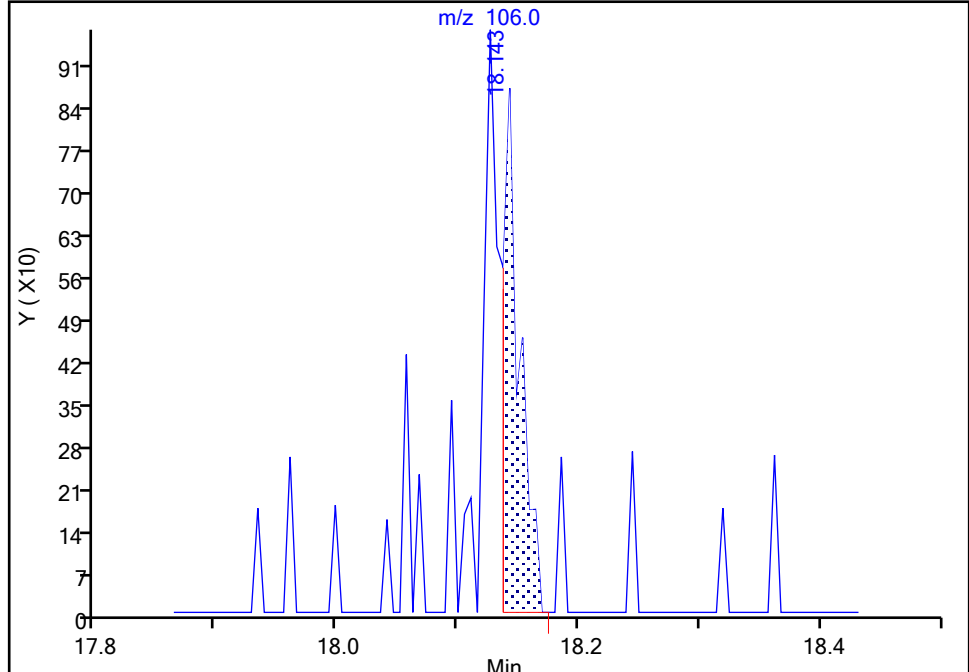
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

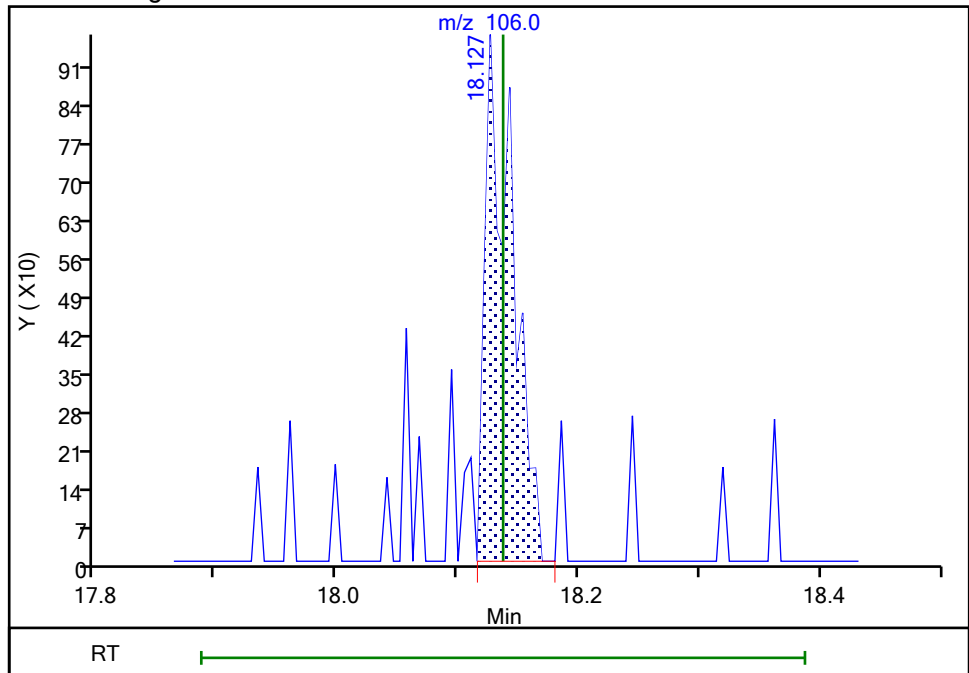
RT: 18.14
Area: 831
Amount: 0.024069
Amount Units: ppb v/v

Processing Integration Results



RT: 18.13
Area: 1498
Amount: 0.043388
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:36:45
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 297 of 356

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

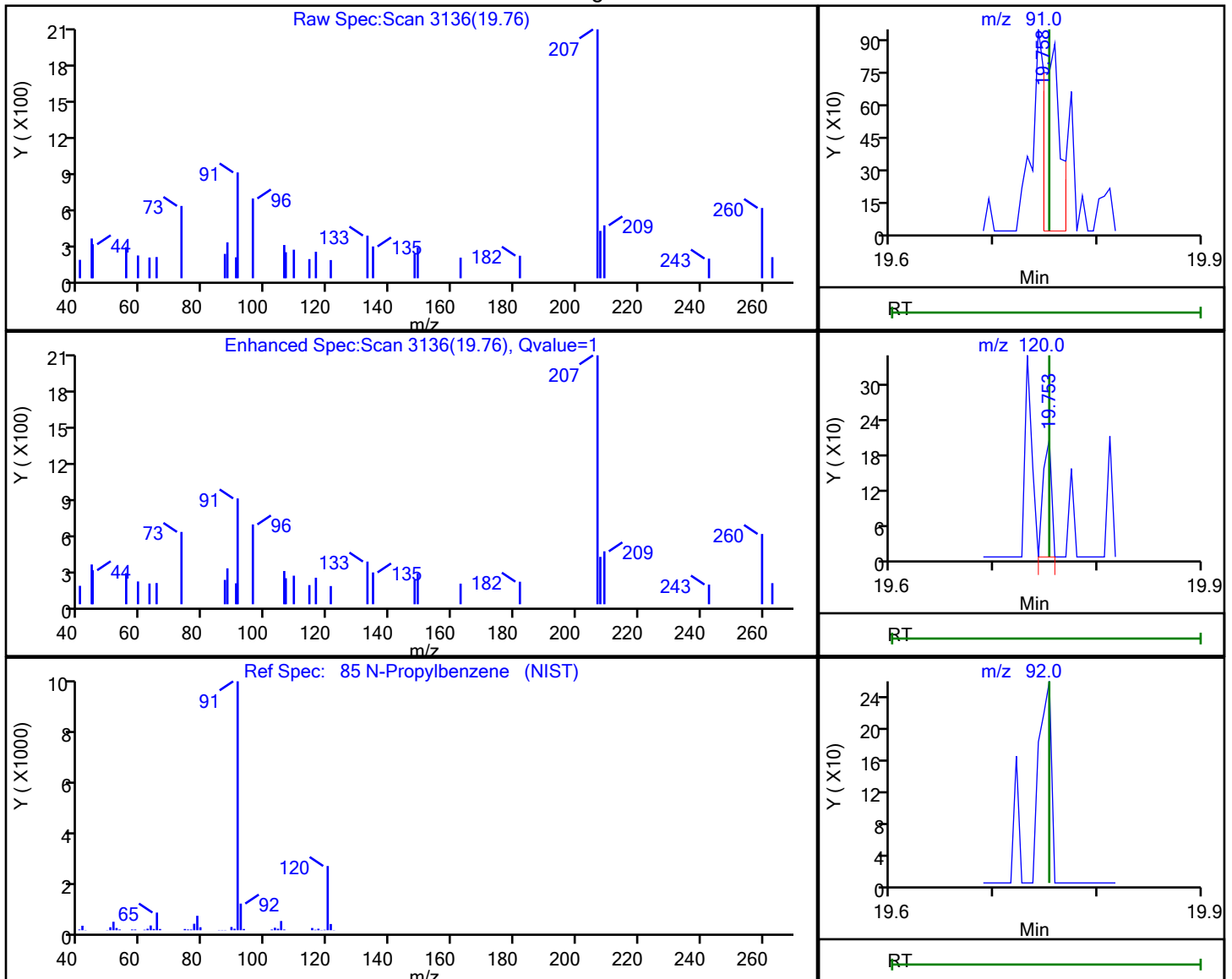
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
19.76	91.00	972	0.007685
19.75	120.00	115	
19.75	92.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:37:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#:

9

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

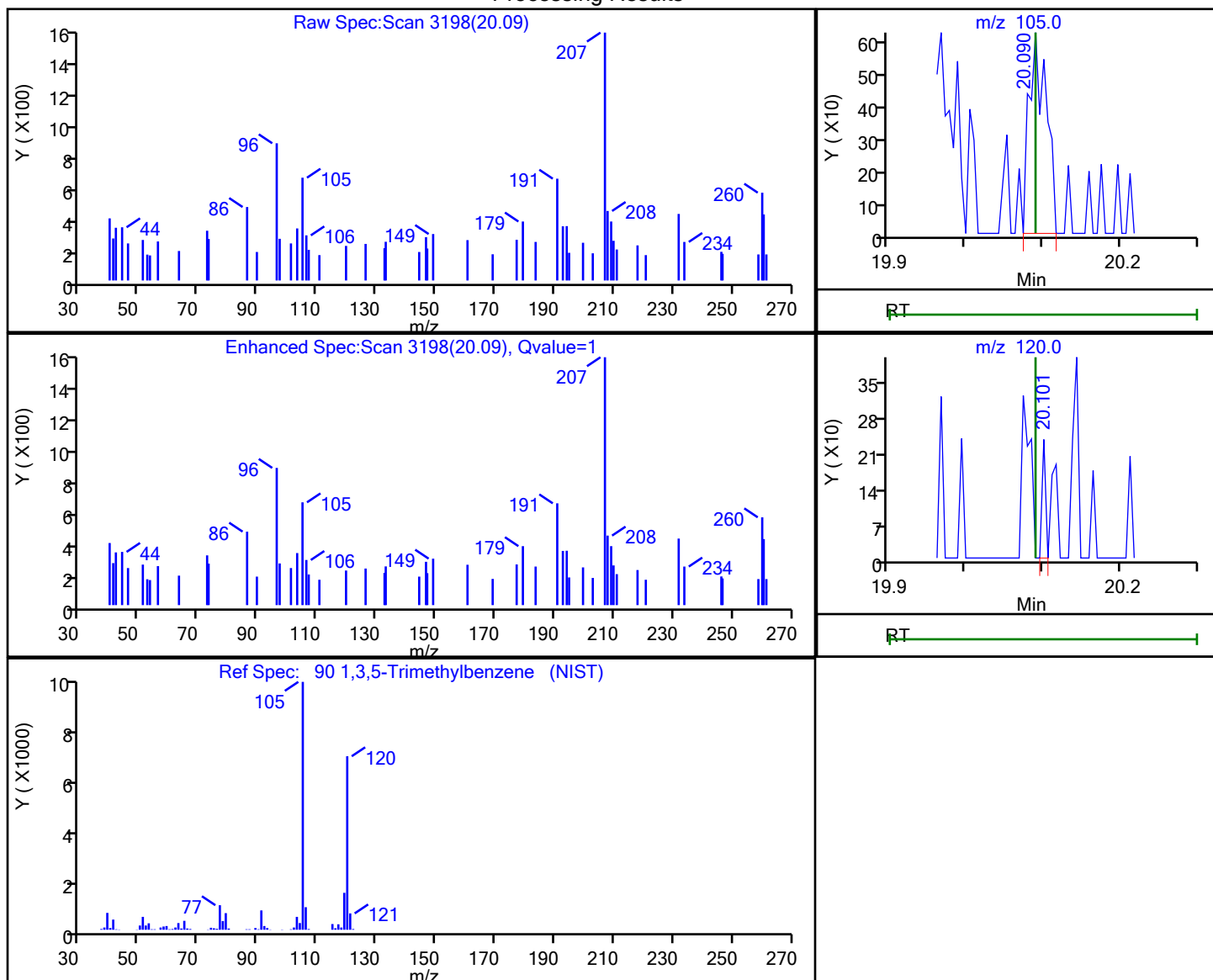
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
20.09	105.00	970	0.010808
20.10	120.00	74	

Reviewer: bunmaa, 13-Sep-2021 11:37:33

Audit Action: Marked Compound Undetected

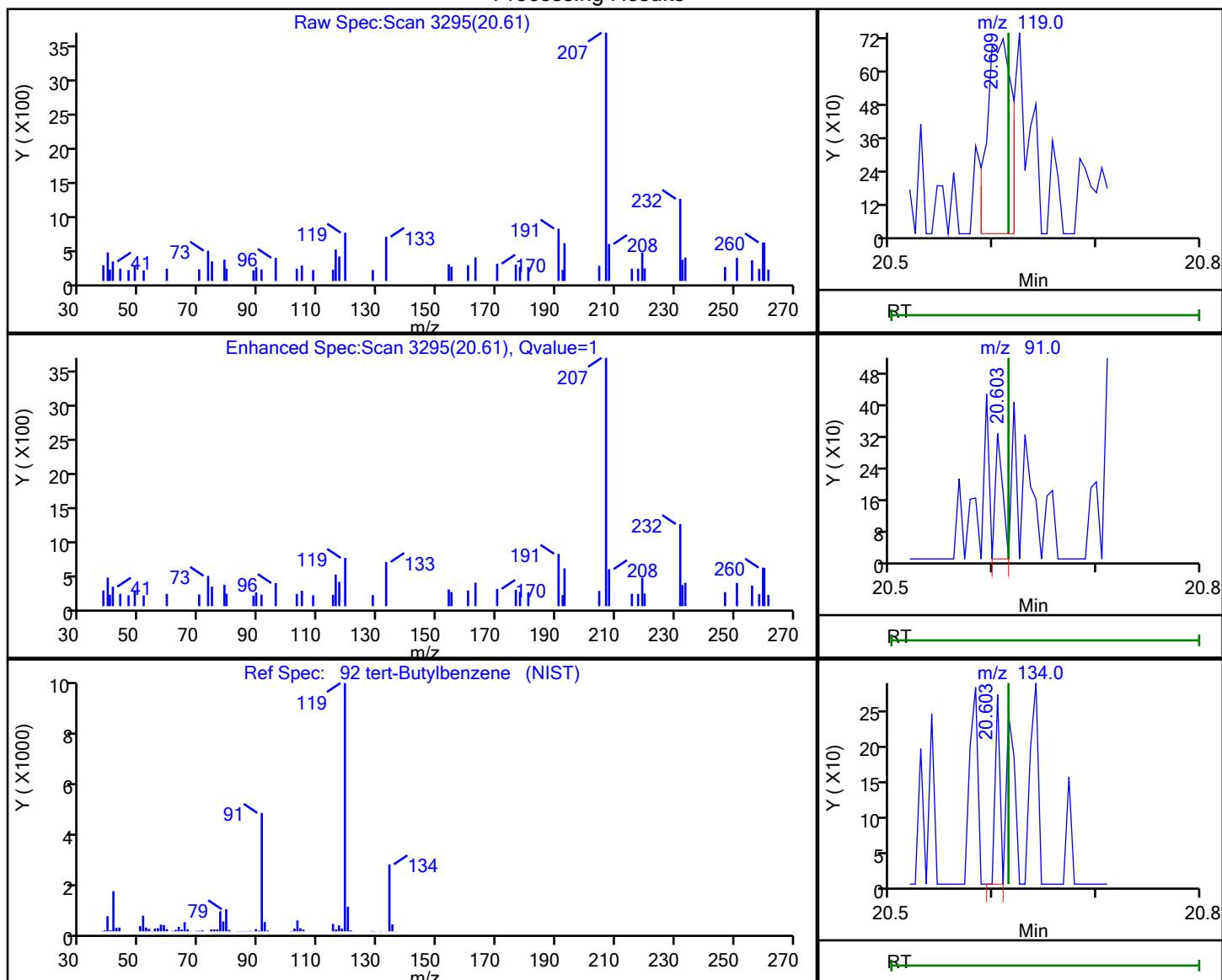
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

92 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
20.61	119.00	1190	0.013975
20.60	91.00	157	
20.60	134.00	86	

Reviewer: bunmaa, 13-Sep-2021 11:37:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

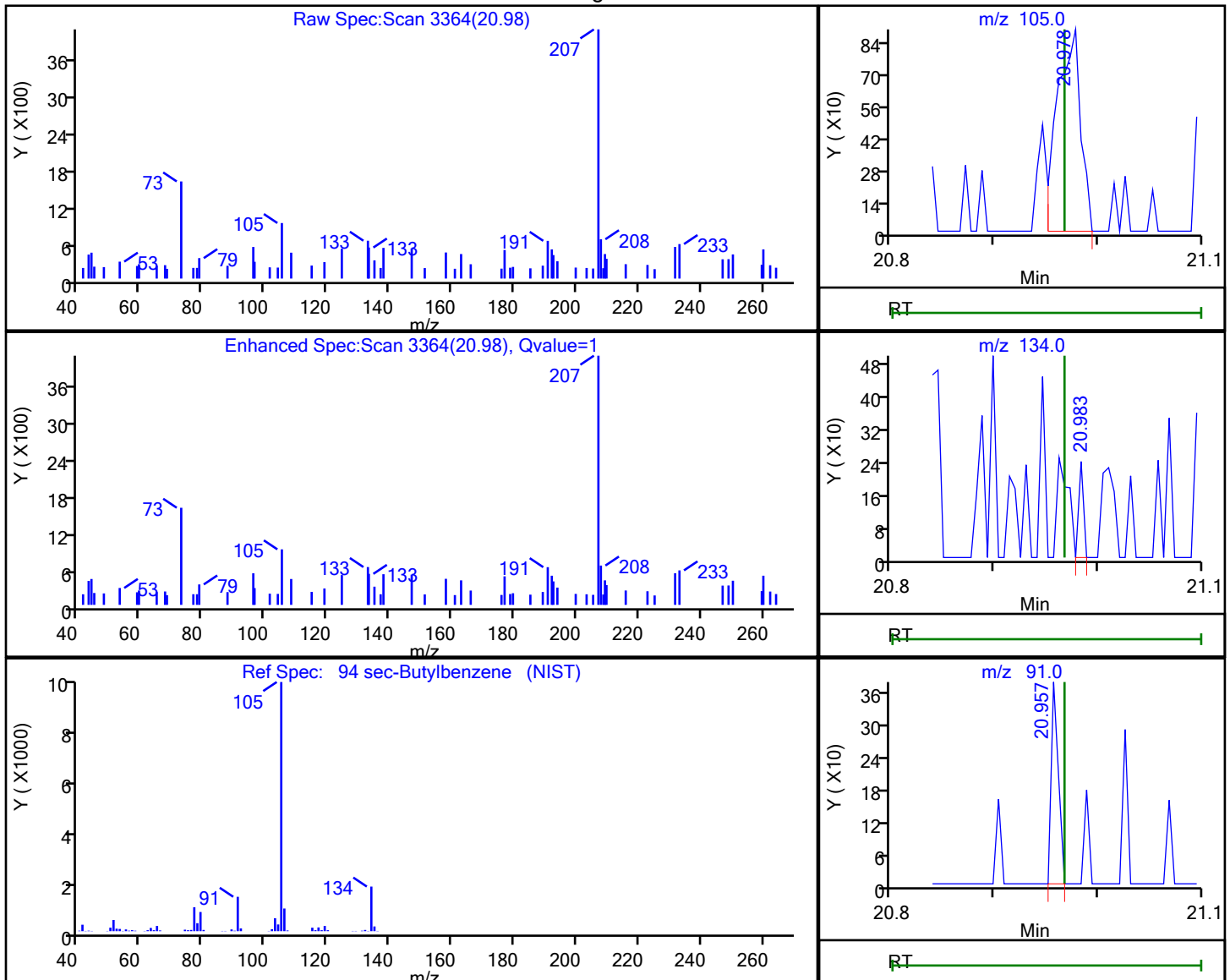
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

94 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
20.98	105.00	1411	0.010704
20.98	134.00	75	
20.96	91.00	178	

Reviewer: bunmaa, 13-Sep-2021 11:38:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

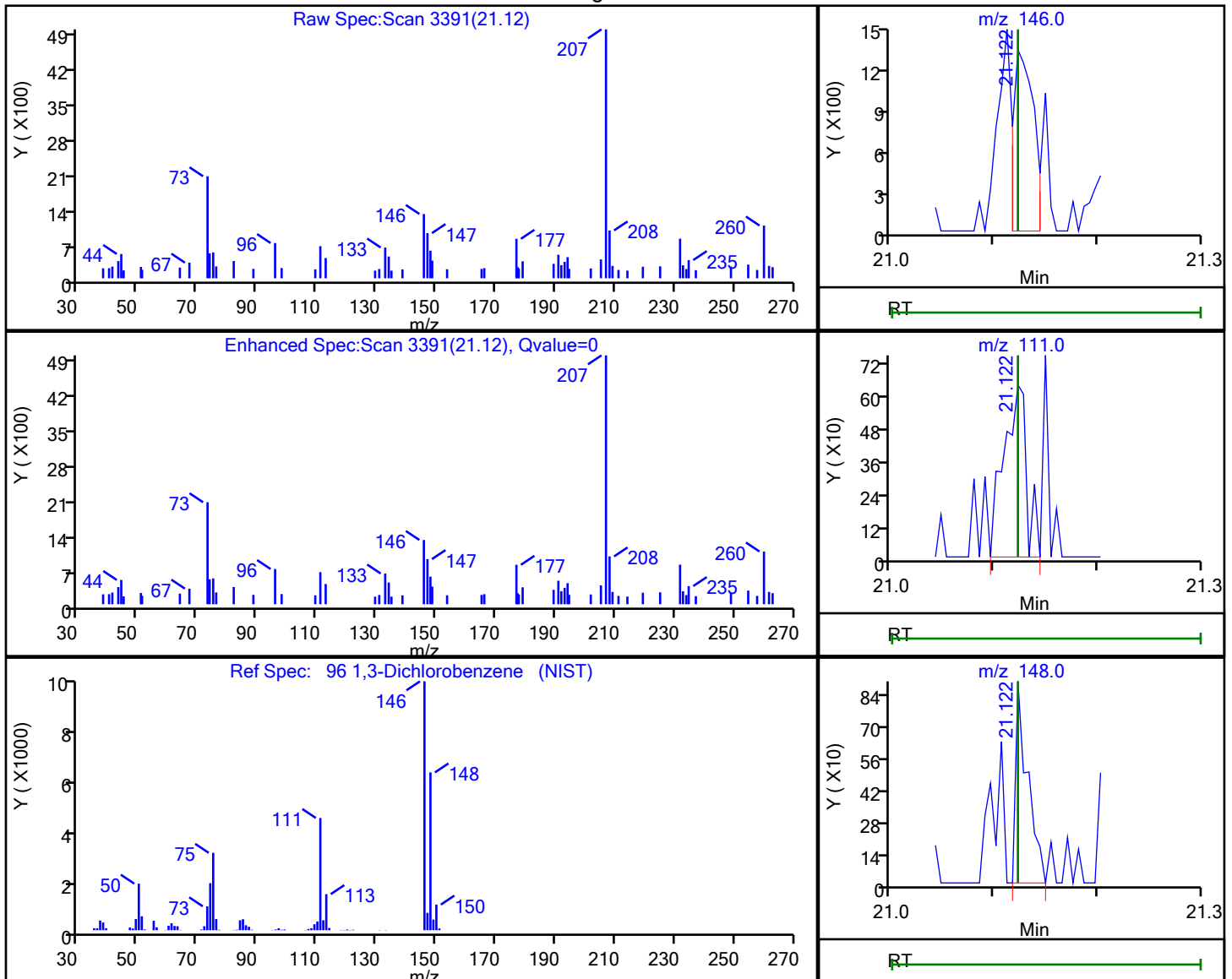
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

96 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
21.12	146.00	1769	0.027493
21.12	111.00	979	
21.12	148.00	725	

Reviewer: bunmaa, 13-Sep-2021 11:38:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

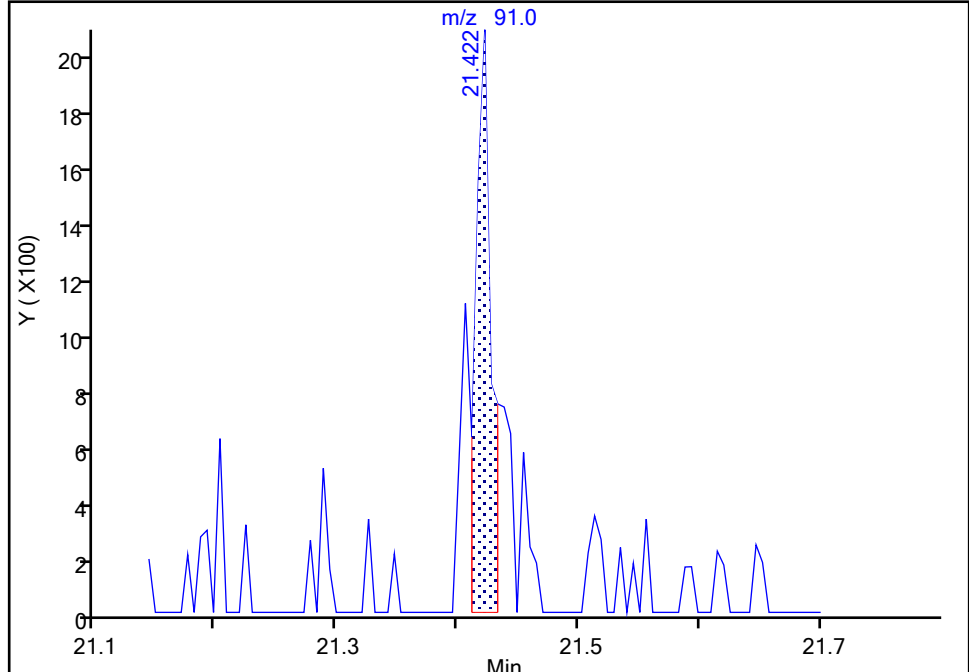
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Signal: 1

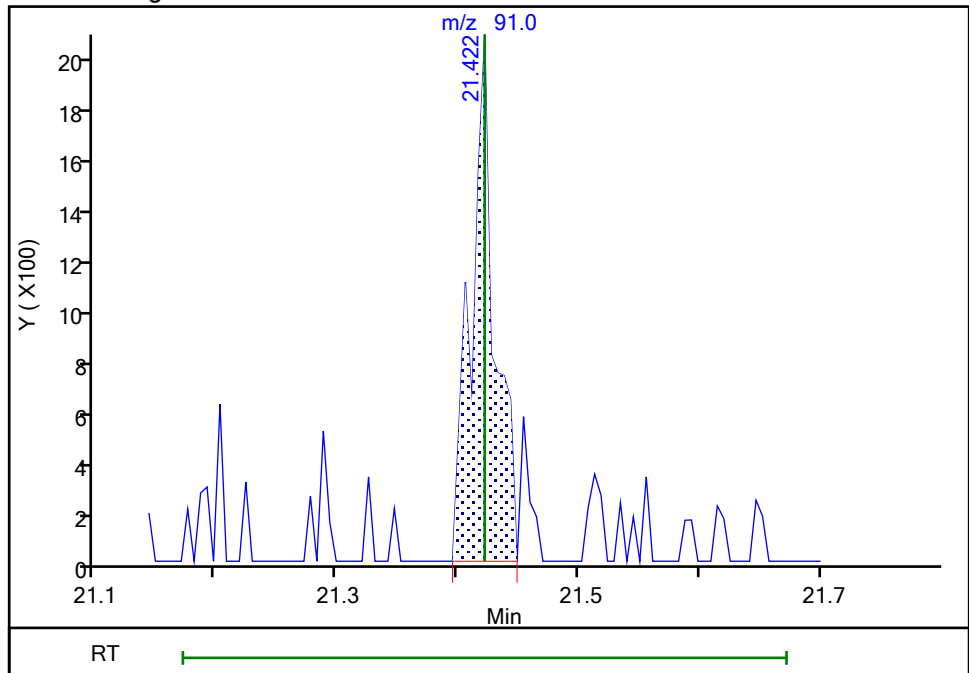
RT: 21.42
Area: 1818
Amount: 0.021737
Amount Units: ppb v/v

Processing Integration Results



RT: 21.42
Area: 2761
Amount: 0.033011
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:39:10
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 303 of 356

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

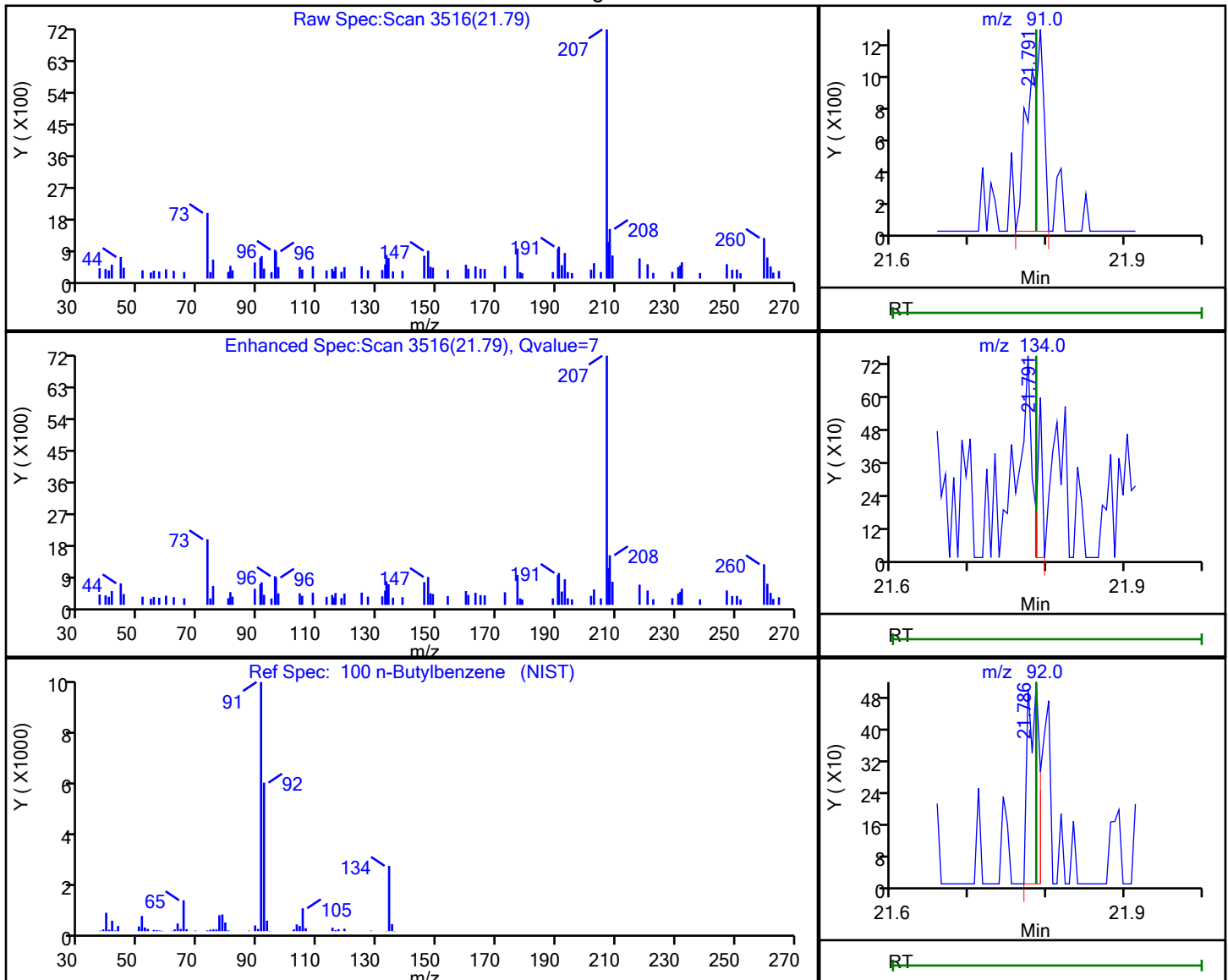
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

100 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
21.79	91.00	1727	0.015612
21.79	134.00	246	
21.79	92.00	527	

Reviewer: bunmaa, 13-Sep-2021 11:39:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

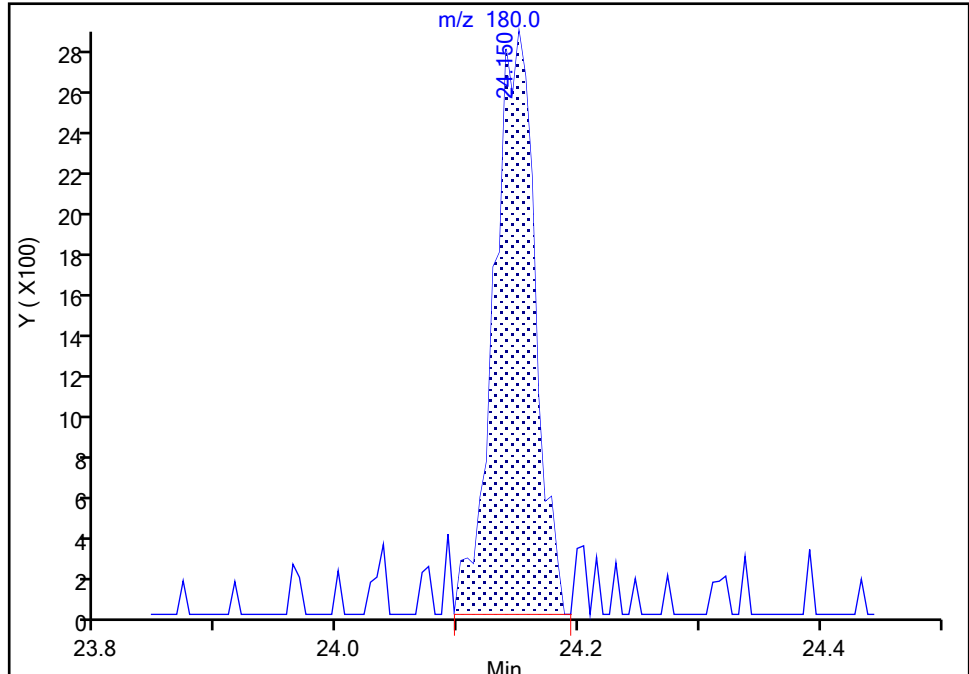
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D
Injection Date: 10-Sep-2021 16:13:30 Instrument ID: CHG.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

103 1,2,4-Trichlorobenzene, CAS: 120-82-1
Signal: 1

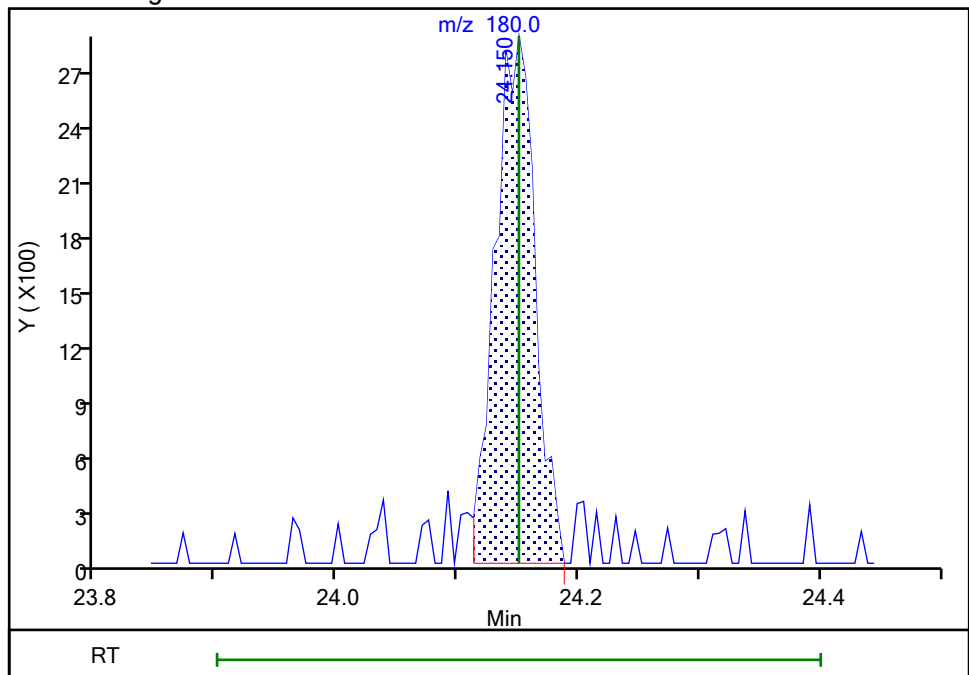
RT: 24.15
Area: 6718
Amount: 0.121630
Amount Units: ppb v/v

Processing Integration Results



RT: 24.15
Area: 6546
Amount: 0.118516
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:40:02
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 305 of 356

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-009.D

Injection Date: 10-Sep-2021 16:13:30

Instrument ID: CHG.i

Lims ID: mb

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

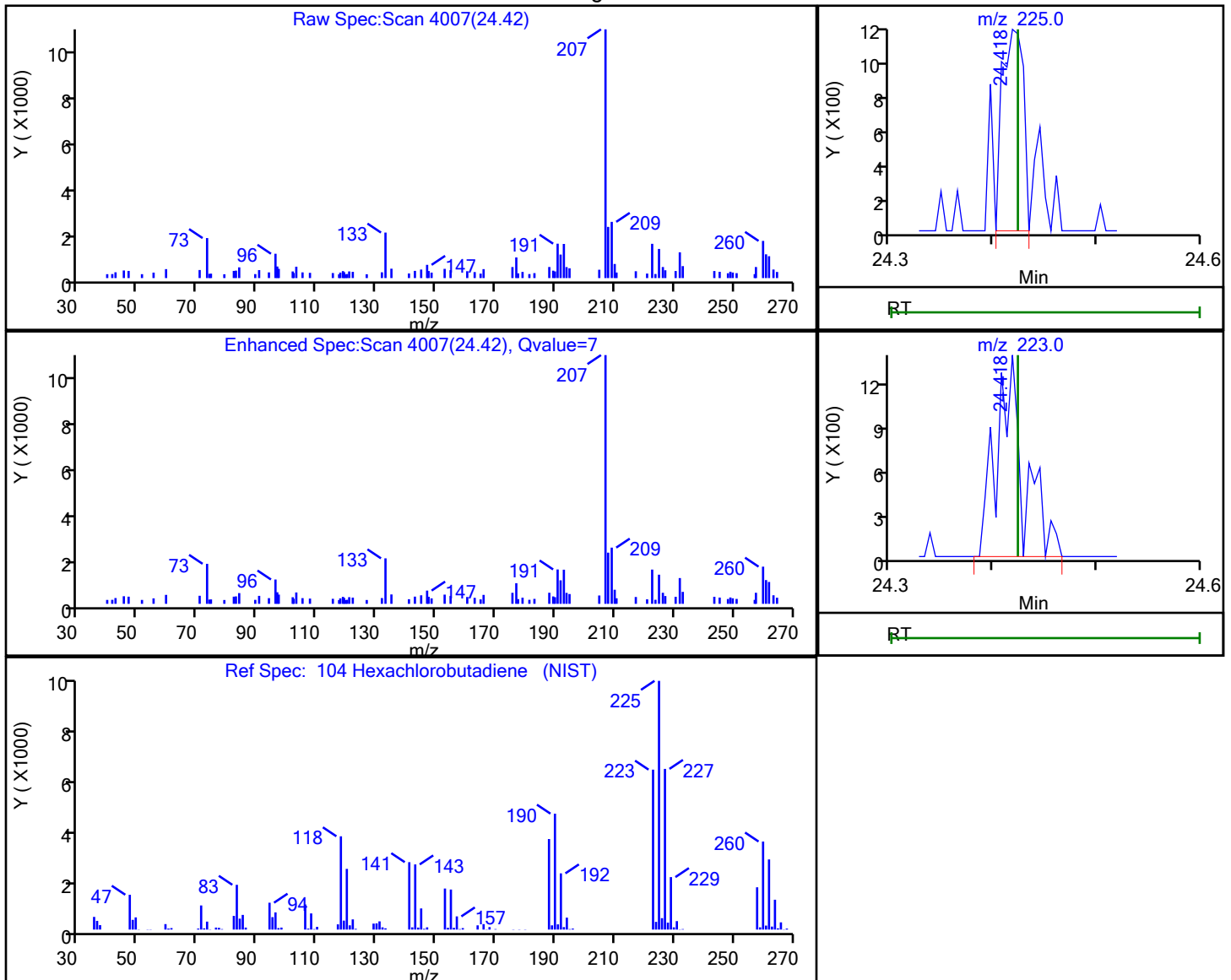
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

104 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
24.42	225.00	1697	0.025237
24.42	223.00	2607	

Reviewer: bunmaa, 13-Sep-2021 11:40:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
SDG No.: _____
Lab File ID: 200-47404-001.D BFB Injection Date: 09/03/2021
Instrument ID: CHG.i BFB Injection Time: 09:58
Analysis Batch No.: 170973

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.6
75	30.0 - 66.0% of mass 95	52.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	74.3
175	4.0 - 9.0 % of mass 174	5.6 (7.5) 1
176	93.0 - 101.0% of mass 174	73.5 (98.8) 1
177	5.0 - 9.0% of mass 176	4.8 (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 200-170973/2	200-47404-002	09/03/2021	10:46
	IC 200-170973/3	200-47404-003	09/03/2021	11:38
	IC 200-170973/4	200-47404-004	09/03/2021	12:31
	IC 200-170973/5	200-47404-005	09/03/2021	13:24
	ICIS 200-170973/6	200-47404-006	09/03/2021	14:17
	IC 200-170973/7	200-47404-007	09/03/2021	15:10
	IC 200-170973/8	200-47404-008	09/03/2021	16:03
	IC 200-170973/9	200-47404-009	09/03/2021	16:55
	ICV 200-170973/12	200-47404-012	09/03/2021	19:37

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
SDG No.: _____
Lab File ID: 200-47482-001.D BFB Injection Date: 09/10/2021
Instrument ID: CHG.i BFB Injection Time: 09:44
Analysis Batch No.: 171182

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	49.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	73.7
175	4.0 - 9.0 % of mass 174	5.6 (7.5) 1
176	93.0 - 101.0% of mass 174	72.6 (98.5) 1
177	5.0 - 9.0% of mass 176	4.7 (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 200-171182/4	200-47482-004	09/10/2021	12:16
	LCS 200-171182/7	200-47482-007	09/10/2021	14:28
	MB 200-171182/9	200-47482-009	09/10/2021	16:13
2860	200-59910-12	200-47482-010	09/10/2021	17:06

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Sample No.: ICIS 200-170973/6 Date Analyzed: 09/03/2021 14:17
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 200-47404-006.D Heated Purge: (Y/N) N
 Calibration ID: 46585

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	135014	8.86	776241	10.81	728183	16.76
UPPER LIMIT	189020	9.19	1086737	11.14	1019456	17.09
LOWER LIMIT	81008	8.53	465745	10.48	436910	16.43
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-170973/12		137350	8.86	800304	10.82	808029 16.76

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = 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: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Sample No.: CCVIS 200-171182/4 Date Analyzed: 09/10/2021 12:16
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 200-47482-004.D Heated Purge: (Y/N) N
 Calibration ID: 46585

		BCM		DFBZ		CBNZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		121855	8.85	674083	10.81	665555	16.75	
UPPER LIMIT		170597	9.18	943716	11.14	931777	17.08	
LOWER LIMIT		73113	8.52	404450	10.48	399333	16.42	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-171182/7		119425	8.86	607571	10.81	612080	16.75	
MB 200-171182/9		134209	8.85	748432	10.81	670464	16.75	
200-59910-12		2860	125073	8.85	693850	10.80	597425	16.75

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = 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: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Client Sample ID: 2860 Lab Sample ID: 200-59910-12
 Matrix: Air Lab File ID: 200-47482-010.D
 Analysis Method: TO-15 Date Collected: 08/31/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 09/10/2021 17:06
 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.: 171182 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Client Sample ID: 2860 Lab Sample ID: 200-59910-12
 Matrix: Air Lab File ID: 200-47482-010.D
 Analysis Method: TO-15 Date Collected: 08/31/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 09/10/2021 17:06
 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.: 171182 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Client Sample ID: 2860 Lab Sample ID: 200-59910-12
 Matrix: Air Lab File ID: 200-47482-010.D
 Analysis Method: TO-15 Date Collected: 08/31/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 09/10/2021 17:06
 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.: 171182 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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
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

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D
 Lims ID: 200-59910-A-12
 Client ID: 2860
 Sample Type: Client
 Inject. Date: 10-Sep-2021 17:06:30 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0047482-010
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Sep-2021 11:46:42 Calib Date: 03-Sep-2021 16:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20210903-47404.b\200-47404-009.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1672

First Level Reviewer: bunmaa

Date: 13-Sep-2021 11:46:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.046				ND	7
2 Dichlorodifluoromethane	85		3.105				ND	7
3 Chlorodifluoromethane	51		3.115				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.308				ND	7
5 Chloromethane	50		3.372				ND	7
7 Vinyl chloride	62		3.559				ND	7
6 Butane	43		3.570				ND	7
8 Butadiene	54		3.634				ND	7
10 Bromomethane	94		4.073				ND	7
11 Chloroethane	64		4.249				ND	U
13 Vinyl bromide	106		4.560				ND	U
14 Trichlorofluoromethane	101		4.688				ND	7
17 Ethanol	45		4.907				ND	U
21 1,1-Dichloroethene	96		5.528				ND	U
22 Acetone	43		5.539				ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.571				ND	7
24 Isopropyl alcohol	45		5.790				ND	7
23 Carbon disulfide	76		5.897				ND	7
25 3-Chloro-1-propene	41		6.111				ND	7
27 Methylene Chloride	49		6.298				ND	7
28 2-Methyl-2-propanol	59		6.502				ND	
31 trans-1,2-Dichloroethene	61		6.801				ND	7
29 Methyl tert-butyl ether	73		6.833				ND	U
33 Hexane	57		7.325				ND	7
34 1,1-Dichloroethane	63		7.497				ND	7
35 Vinyl acetate	43		7.513				ND	7
38 2-Butanone (MEK)	72		8.422				ND	7
37 cis-1,2-Dichloroethene	96		8.460				ND	7
39 Ethyl acetate	88		8.534				ND	U
* 40 Chlorobromomethane	128	8.845	8.850	-0.005	88	125073	10.0	
41 Tetrahydrofuran	42		8.952				ND	7
42 Chloroform	83		9.032				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 1,1,1-Trichloroethane	97		9.374				ND	7
43 Cyclohexane	84		9.562				ND	7
S 30 1,2-Dichloroethene, Total	61		9.665				ND	7
45 Carbon tetrachloride	117		9.685				ND	
47 Benzene	78	10.022	10.022	0.006	54	2662	0.0586	M
48 1,2-Dichloroethane	62		10.054				ND	
46 Isooctane	57		10.327				ND	
49 n-Heptane	43		10.669				ND	7
* 50 1,4-Difluorobenzene	114	10.803	10.808	-0.005	94	693850	10.0	
53 Trichloroethene	95		11.295				ND	7
54 1,2-Dichloropropane	63		11.760				ND	
55 Methyl methacrylate	69		11.921				ND	
57 Dibromomethane	174		11.921				ND	
56 1,4-Dioxane	88		11.948				ND	
58 Dichlorobromomethane	83		12.285				ND	
60 cis-1,3-Dichloropropene	75		13.183				ND	7
61 4-Methyl-2-pentanone (MIBK)	43		13.488				ND	7
65 Toluene	92	13.911	13.911	0.000	27	1174	0.0329	M
66 trans-1,3-Dichloropropene	75		14.328				ND	7
67 1,1,2-Trichloroethane	83		14.719				ND	7
68 Tetrachloroethene	166		15.002				ND	7
69 2-Hexanone	43		15.206				ND	7
71 Chlorodibromomethane	129		15.510				ND	
72 Ethylene Dibromide	107		15.757				ND	7
* 74 Chlorobenzene-d5	117	16.751	16.752	-0.001	87	597425	10.0	
75 Chlorobenzene	112		16.816				ND	7
76 Ethylbenzene	91	17.030	17.030	-0.021	1	3788	0.0448	M
78 m-Xylene & p-Xylene	106		17.329				ND	7
79 o-Xylene	106	18.148	18.148	0.011	23	1332	0.0433	M
80 Styrene	104		18.164				ND	7
81 Bromoform	173		18.501				ND	
82 Isopropylbenzene	105		18.940				ND	7
84 1,1,2,2-Tetrachloroethane	83		19.475				ND	7
S 73 Xylenes, Total	106				0		0.0433	
85 N-Propylbenzene	91		19.753				ND	7
89 2-Chlorotoluene	91		19.892				ND	7
88 4-Ethyltoluene	105		19.977				ND	7
90 1,3,5-Trimethylbenzene	105		20.090				ND	7
92 tert-Butylbenzene	119		20.614				ND	7
93 1,2,4-Trimethylbenzene	105		20.705				ND	7
94 sec-Butylbenzene	105		20.967				ND	7
96 1,3-Dichlorobenzene	146		21.122				ND	7
95 4-Isopropyltoluene	119		21.203				ND	7
97 1,4-Dichlorobenzene	146		21.272				ND	U
98 Benzyl chloride	91		21.422				ND	U
101 1,2-Dichlorobenzene	146		21.775				ND	U
100 n-Butylbenzene	91		21.786				ND	7
103 1,2,4-Trichlorobenzene	180		24.150				ND	7
104 Hexachlorobutadiene	225		24.423				ND	7
105 Naphthalene	128	24.573	24.573	-0.005	1	3310	0.0320	M

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00017

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 13-Sep-2021 11:46:42

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Worklist Smp#: 10

Client ID: 2860

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

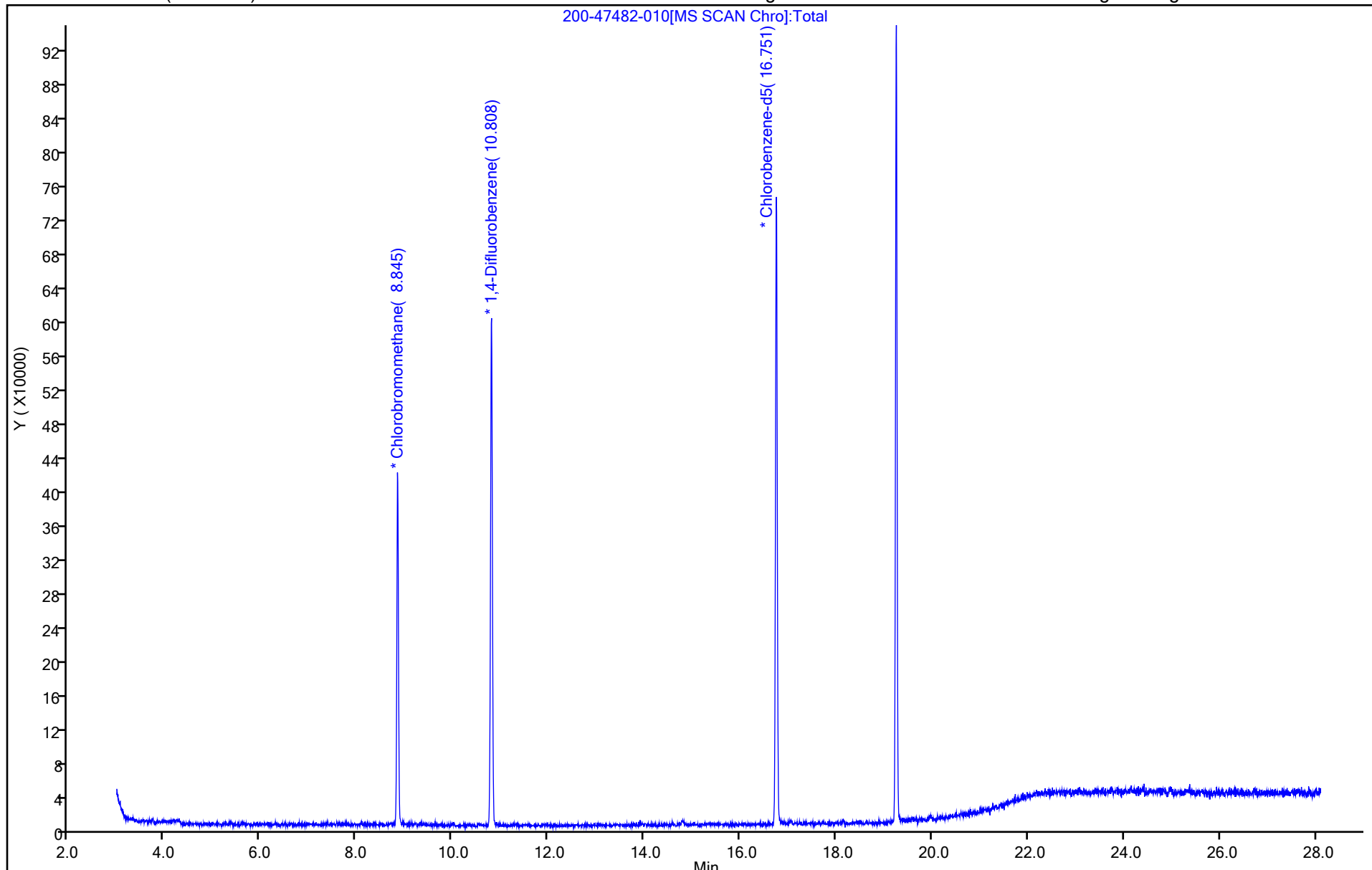
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

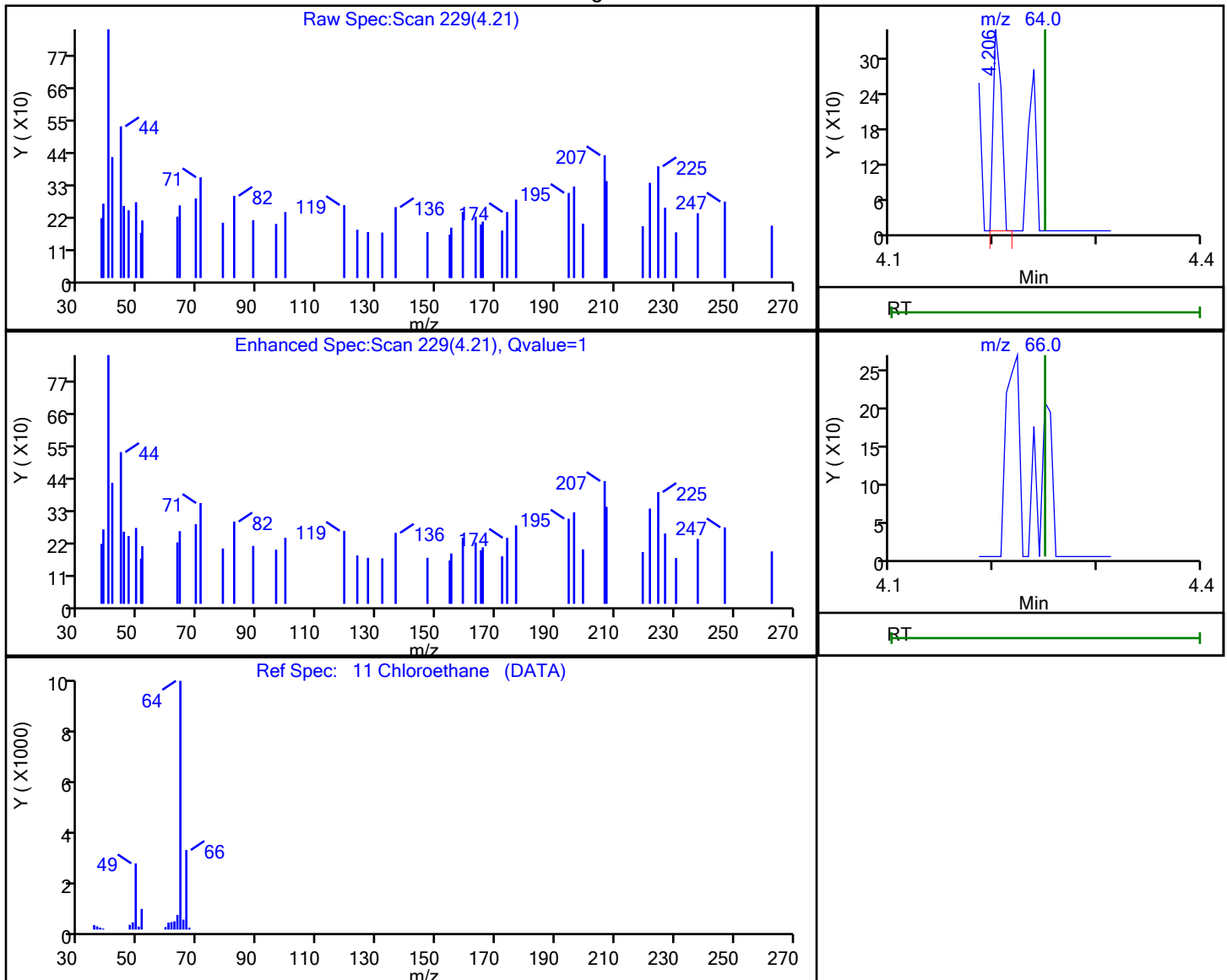
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

11 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
4.21	64.00	193	0.040014
4.25	66.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:41:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

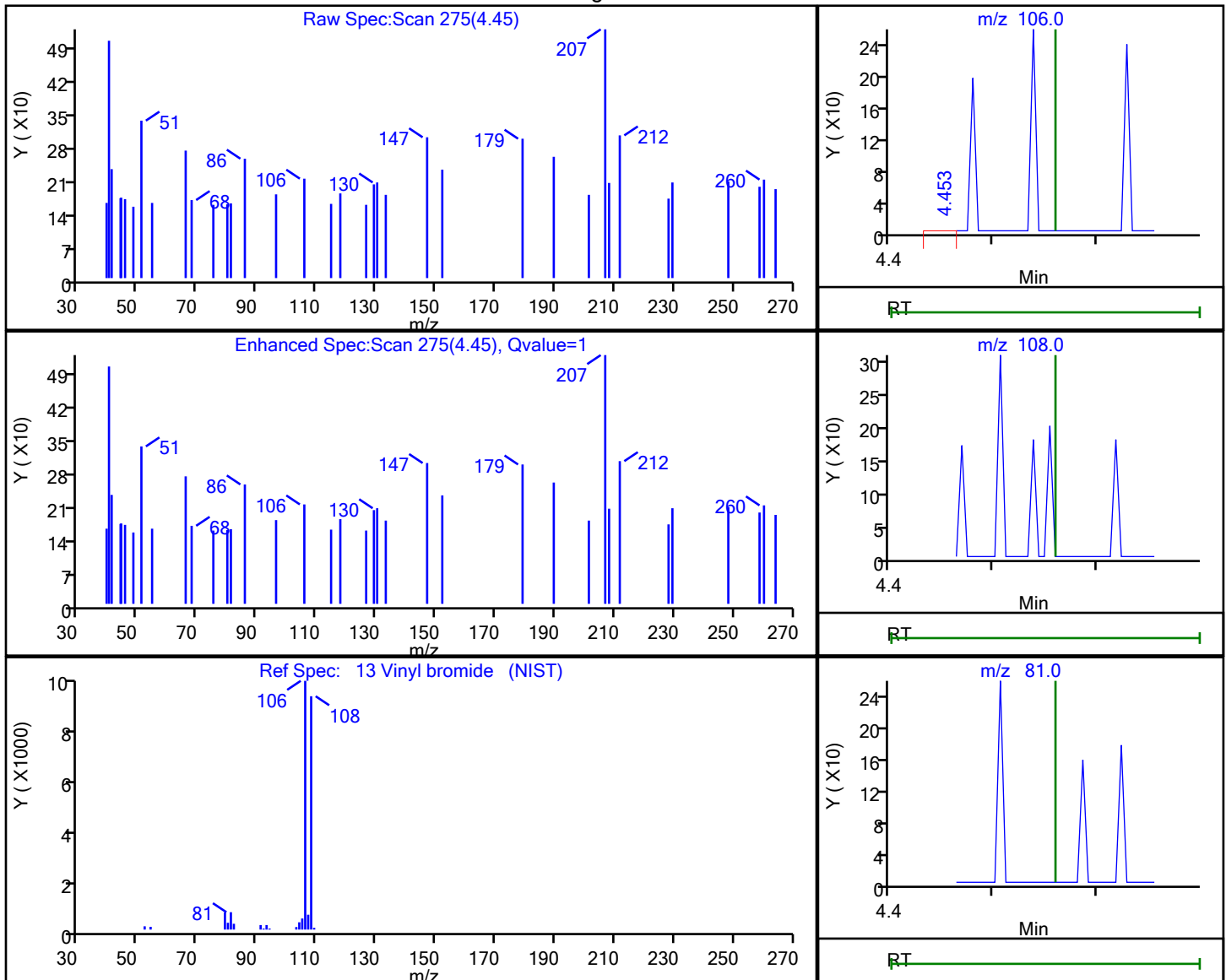
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

13 Vinyl bromide, CAS: 593-60-2

Processing Results



RT	Mass	Response	Amount
4.45	106.00	178	0.012445
4.56	108.00	0	
4.56	81.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:41:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

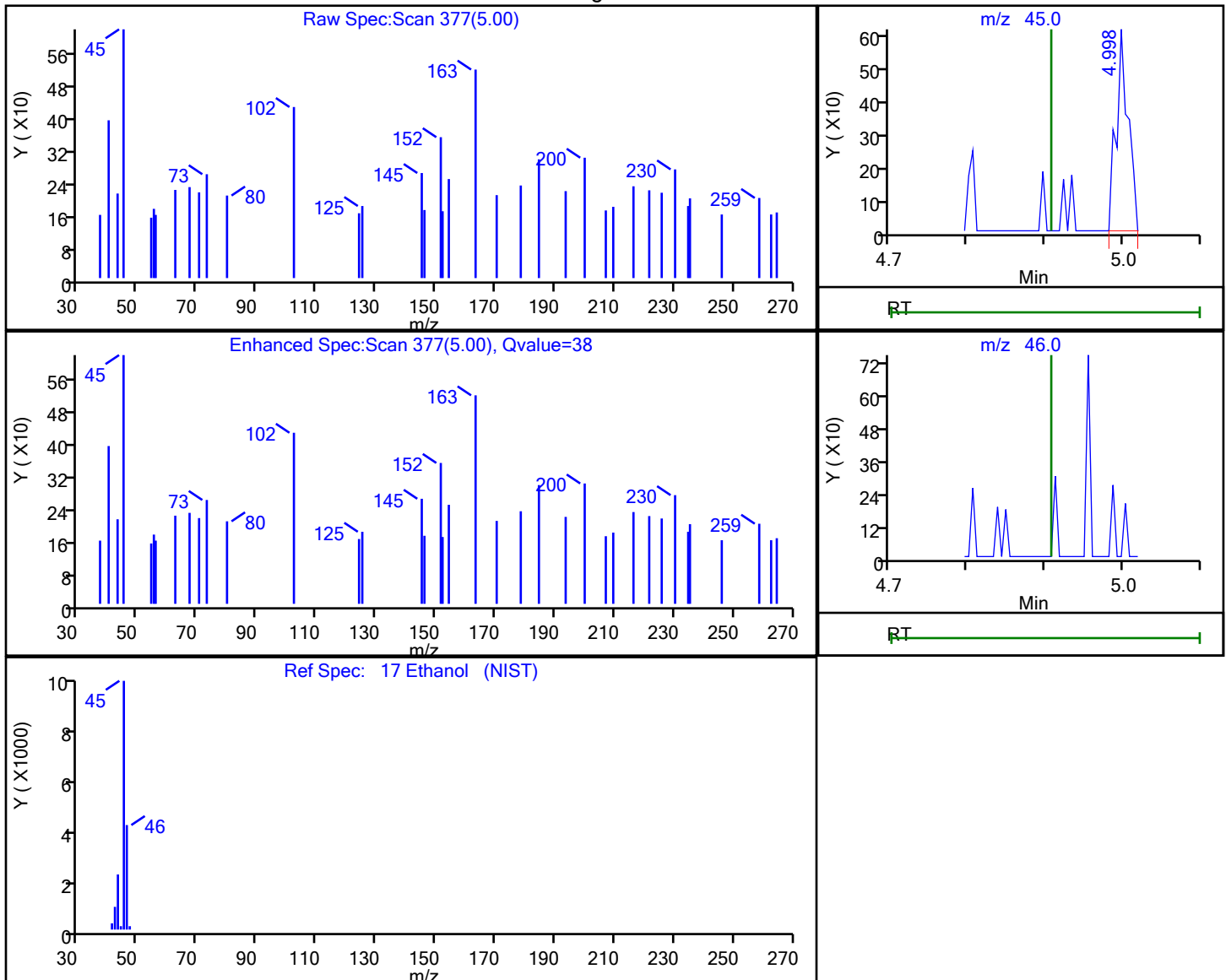
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

17 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
5.00	45.00	664	0.177268
4.91	46.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:41:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

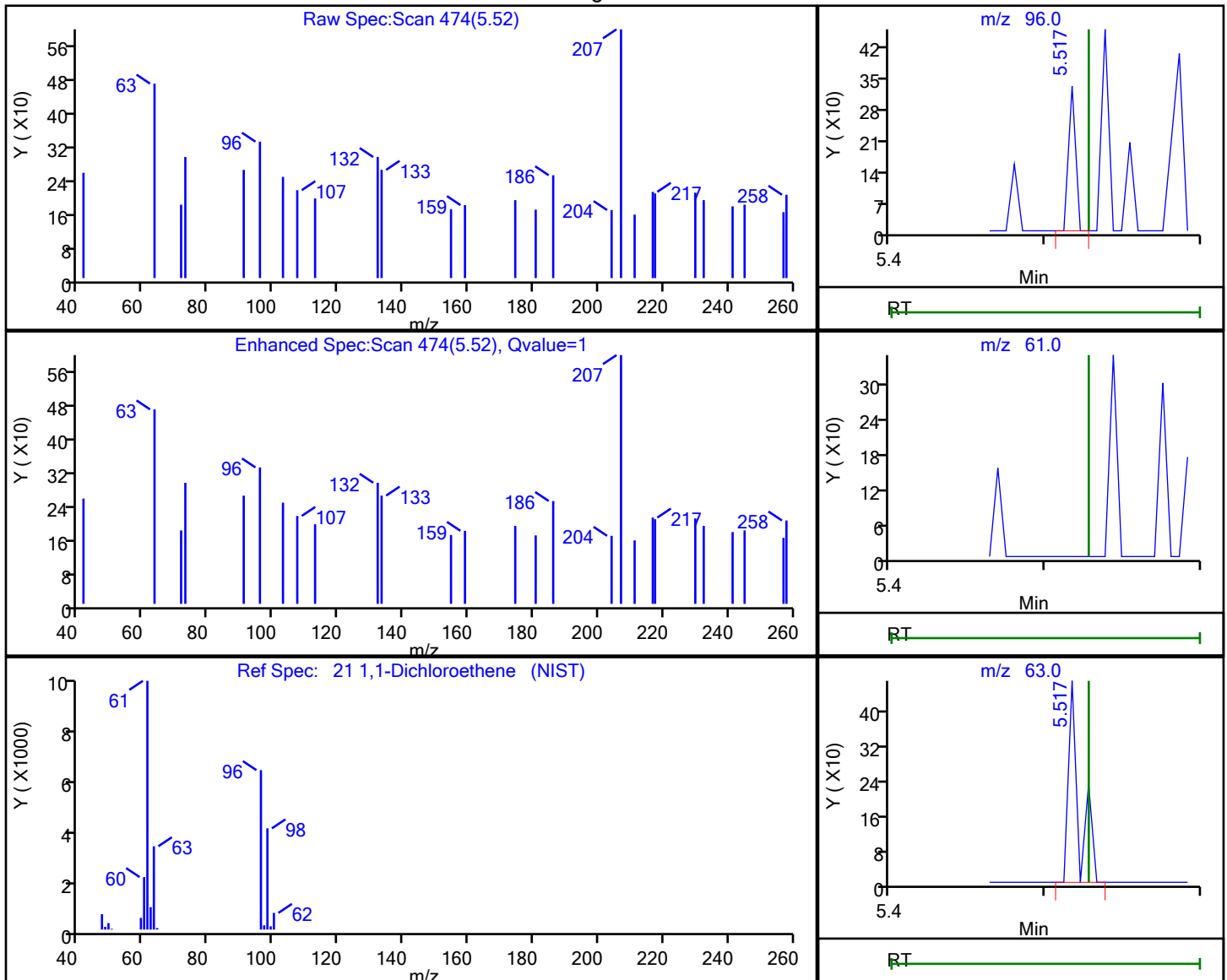
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.52	96.00	106	0.007899
5.53	61.00	0	
5.52	63.00	224	

Reviewer: bunmaa, 13-Sep-2021 11:41:33

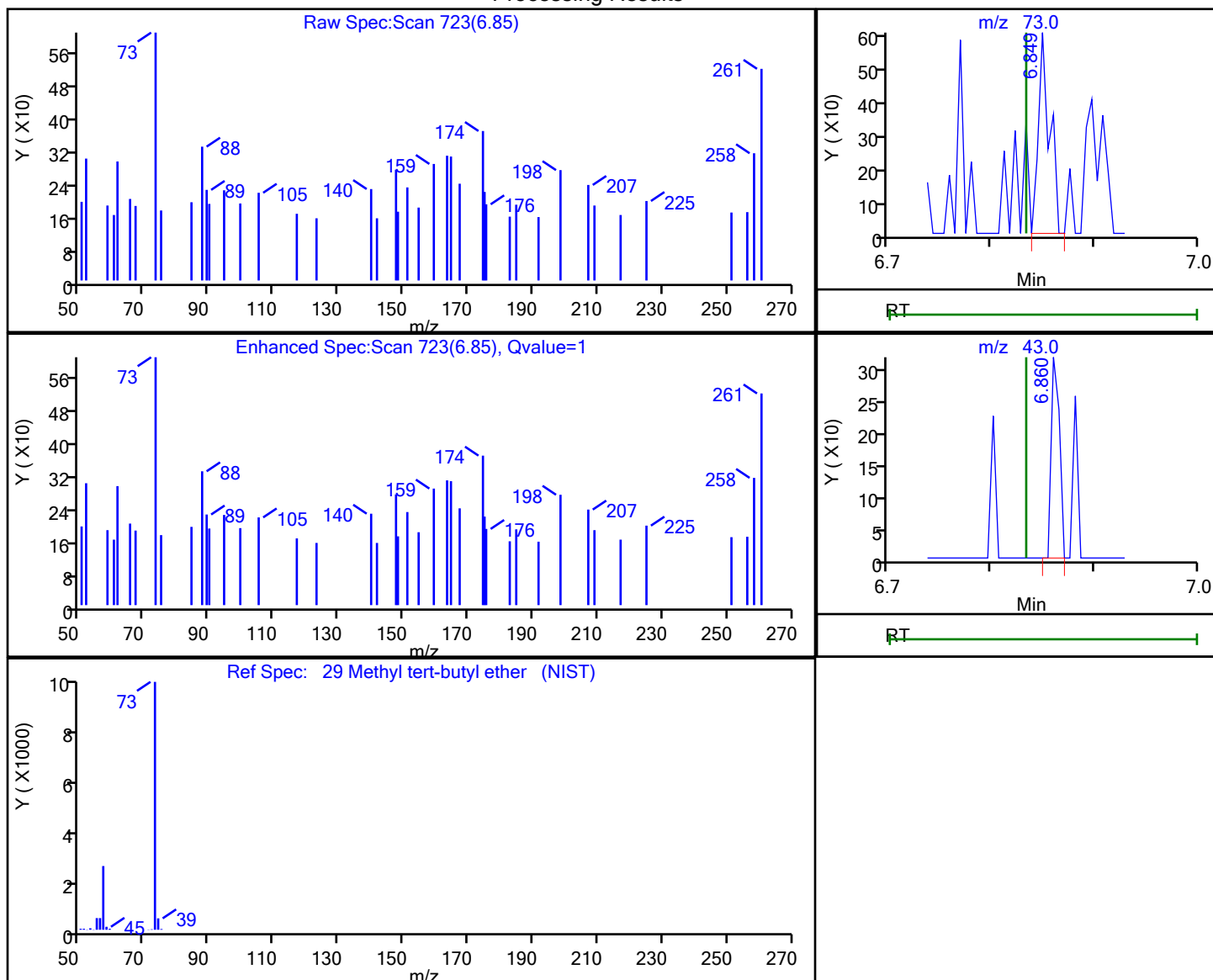
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D		
Injection Date:	10-Sep-2021 17:06:30	Instrument ID:	CHG.i
Lims ID:	200-59910-A-12	Lab Sample ID:	200-59910-12
Client ID:	2860		
Operator ID:	vtp	ALS Bottle#:	8 Worklist
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

ALS Bottle#: 8 Worklist Smp#: 10
Dil. Factor: 0.2000
Limit Group: AI_TO15_ICAL
Detector: MS SCAN

Processing Results



RT	Mass	Response	Amount
6.85	73.00	460	0.015710
6.86	43.00	174	

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

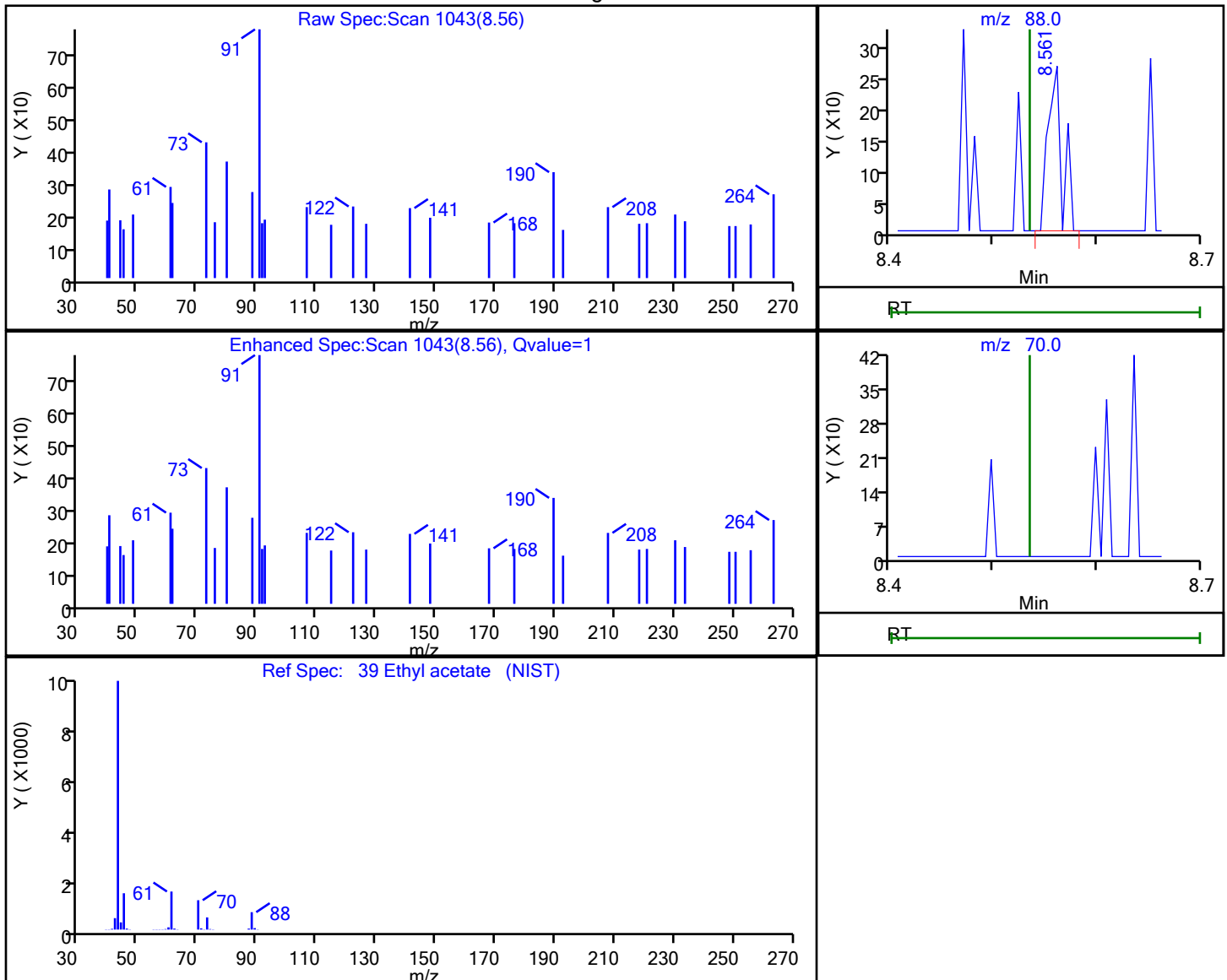
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

39 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
8.56	88.00	257	0.435155
8.53	70.00	0	

Reviewer: bunmaa, 13-Sep-2021 11:42:14

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#: 8 Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

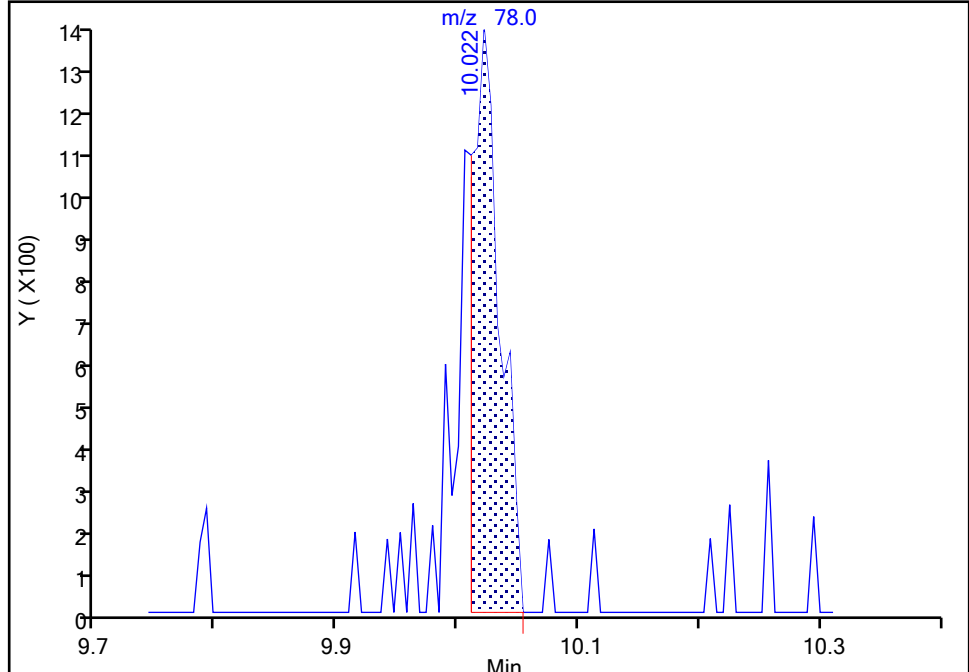
Detector: MS SCAN

47 Benzene, CAS: 71-43-2

Signal: 1

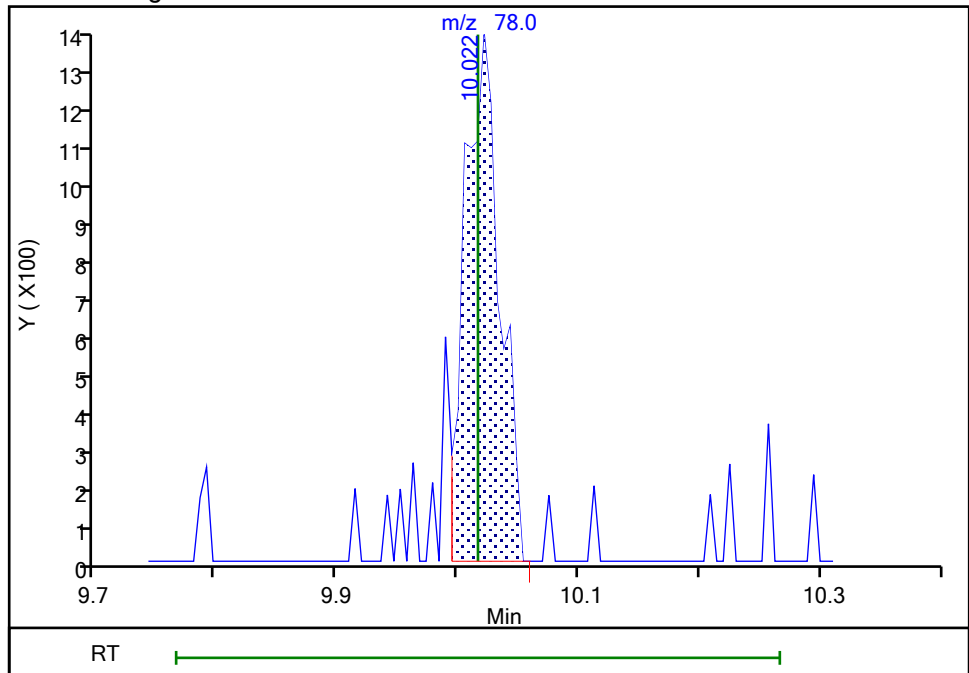
RT: 10.02
Area: 2118
Amount: 0.046629
Amount Units: ppb v/v

Processing Integration Results



RT: 10.02
Area: 2662
Amount: 0.058605
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:43:01

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

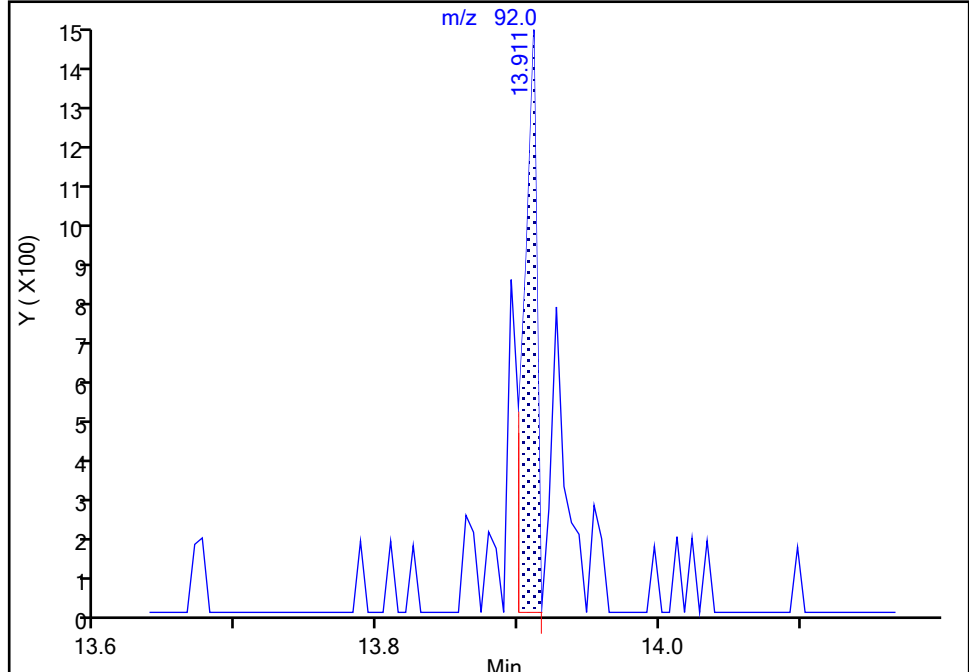
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D
Injection Date: 10-Sep-2021 17:06:30 Instrument ID: CHG.i
Lims ID: 200-59910-A-12 Lab Sample ID: 200-59910-12
Client ID: 2860
Operator ID: vtp ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

65 Toluene, CAS: 108-88-3

Signal: 1

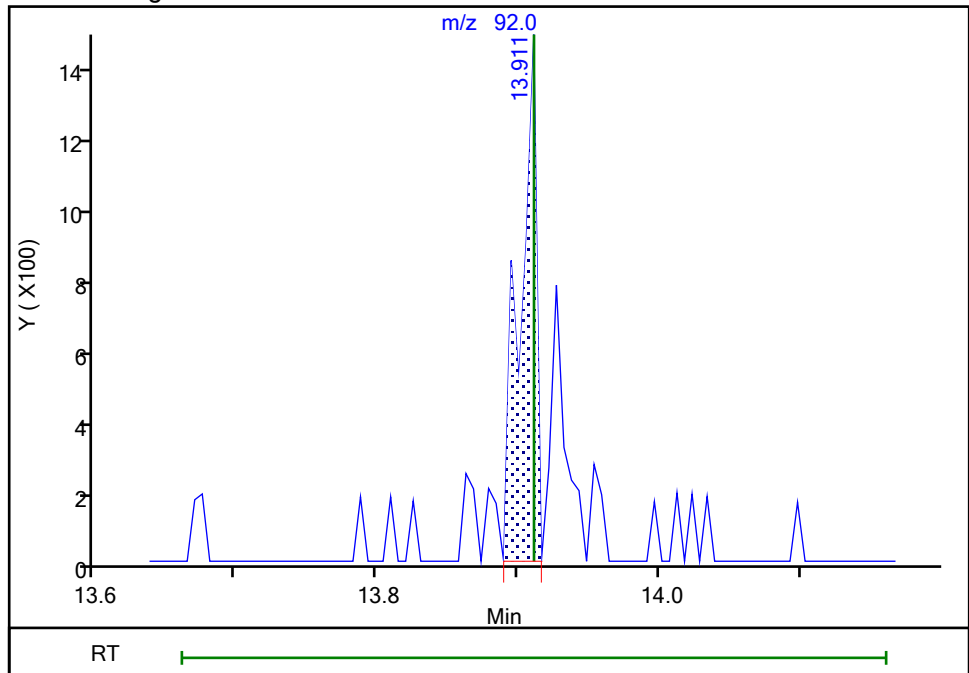
RT: 13.91
Area: 908
Amount: 0.025434
Amount Units: ppb v/v

Processing Integration Results



RT: 13.91
Area: 1174
Amount: 0.032885
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:43:41

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

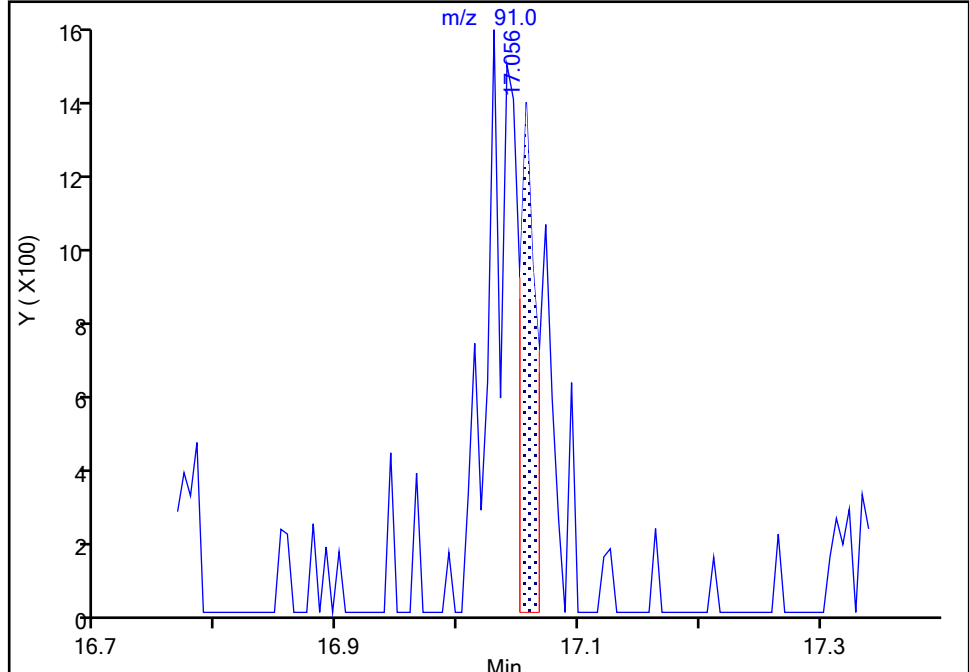
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D		
Injection Date:	10-Sep-2021 17:06:30	Instrument ID:	CHG.i
Lims ID:	200-59910-A-12	Lab Sample ID:	200-59910-12
Client ID:	2860		
Operator ID:	vtp	ALS Bottle#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	10

76 Ethylbenzene, CAS: 100-41-4

Signal: 1

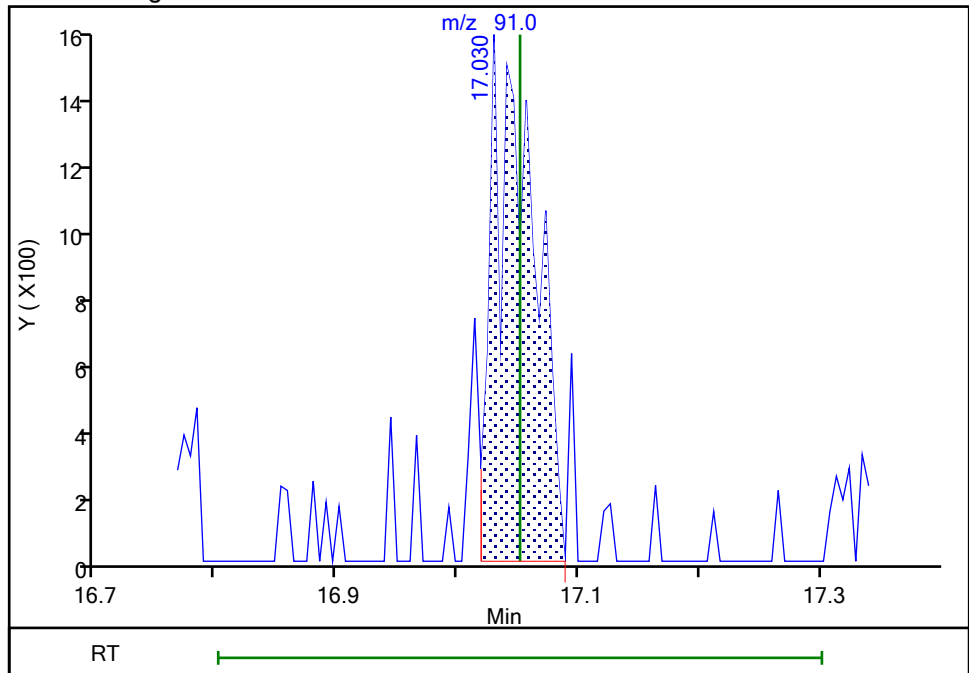
RT: 17.06
Area: 1270
Amount: 0.015036
Amount Units: ppb v/v

Processing Integration Results



RT: 17.03
Area: 3788
Amount: 0.044848
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:44:19

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

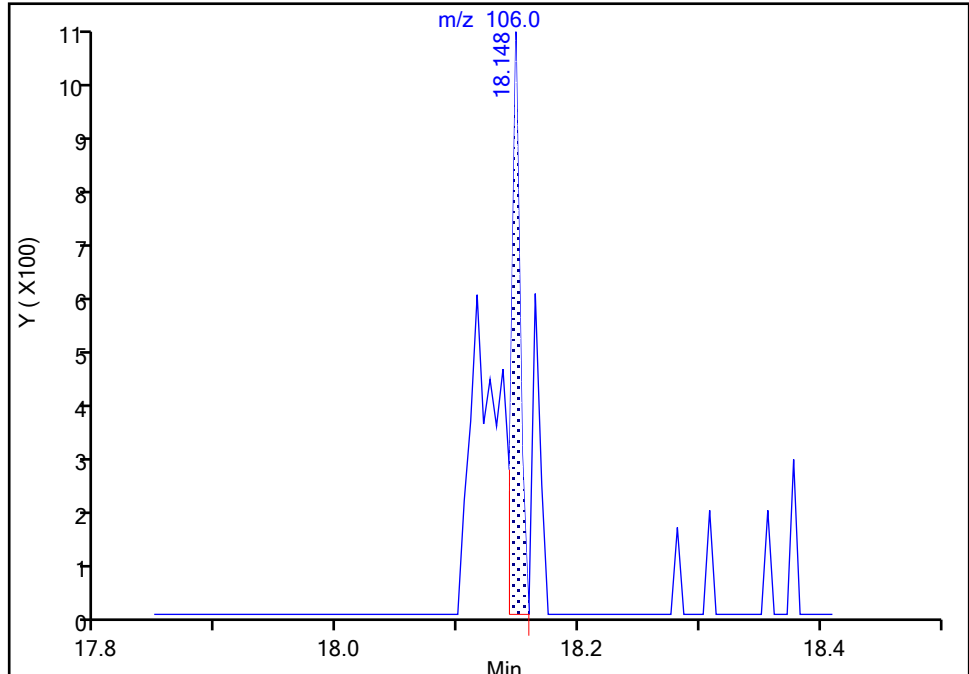
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D
Injection Date: 10-Sep-2021 17:06:30 Instrument ID: CHG.i
Lims ID: 200-59910-A-12 Lab Sample ID: 200-59910-12
Client ID: 2860
Operator ID: vtp ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

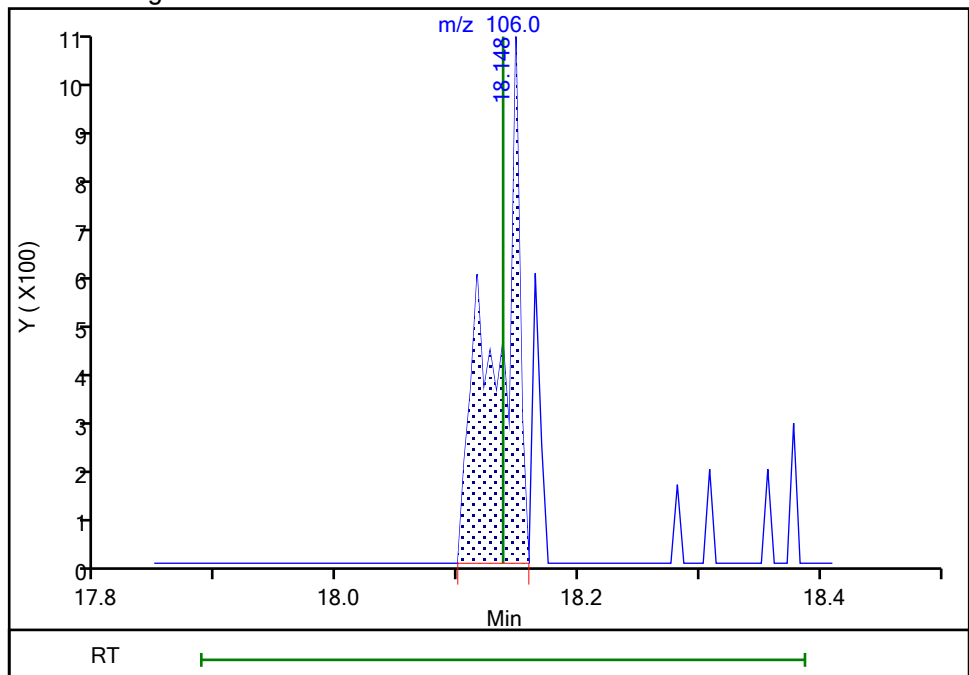
RT: 18.15
Area: 498
Amount: 0.016188
Amount Units: ppb v/v

Processing Integration Results



RT: 18.15
Area: 1332
Amount: 0.043297
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:44:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

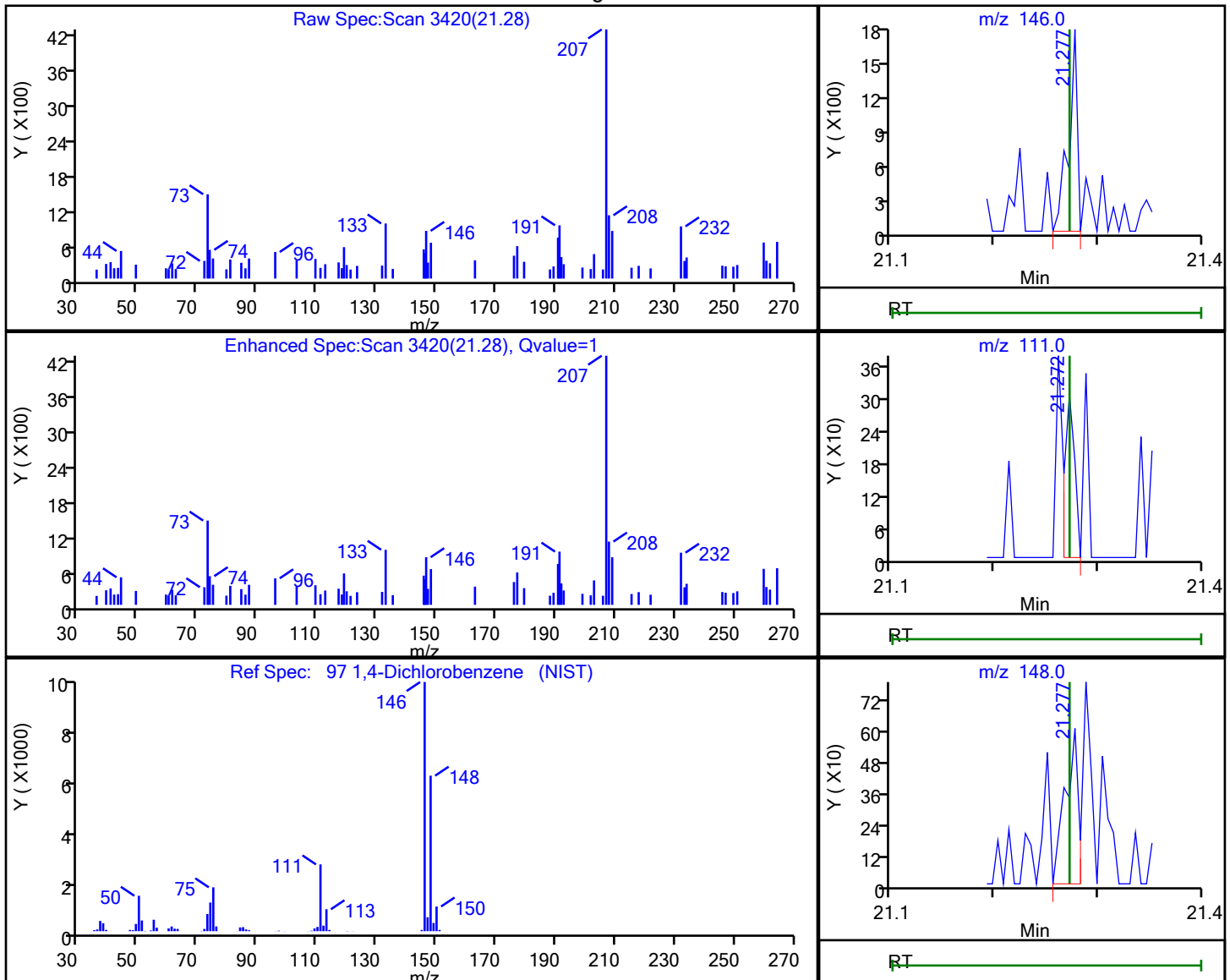
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

97 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
21.28	146.00	998	0.016992
21.27	111.00	205	
21.28	148.00	537	

Reviewer: bunmaa, 13-Sep-2021 11:45:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

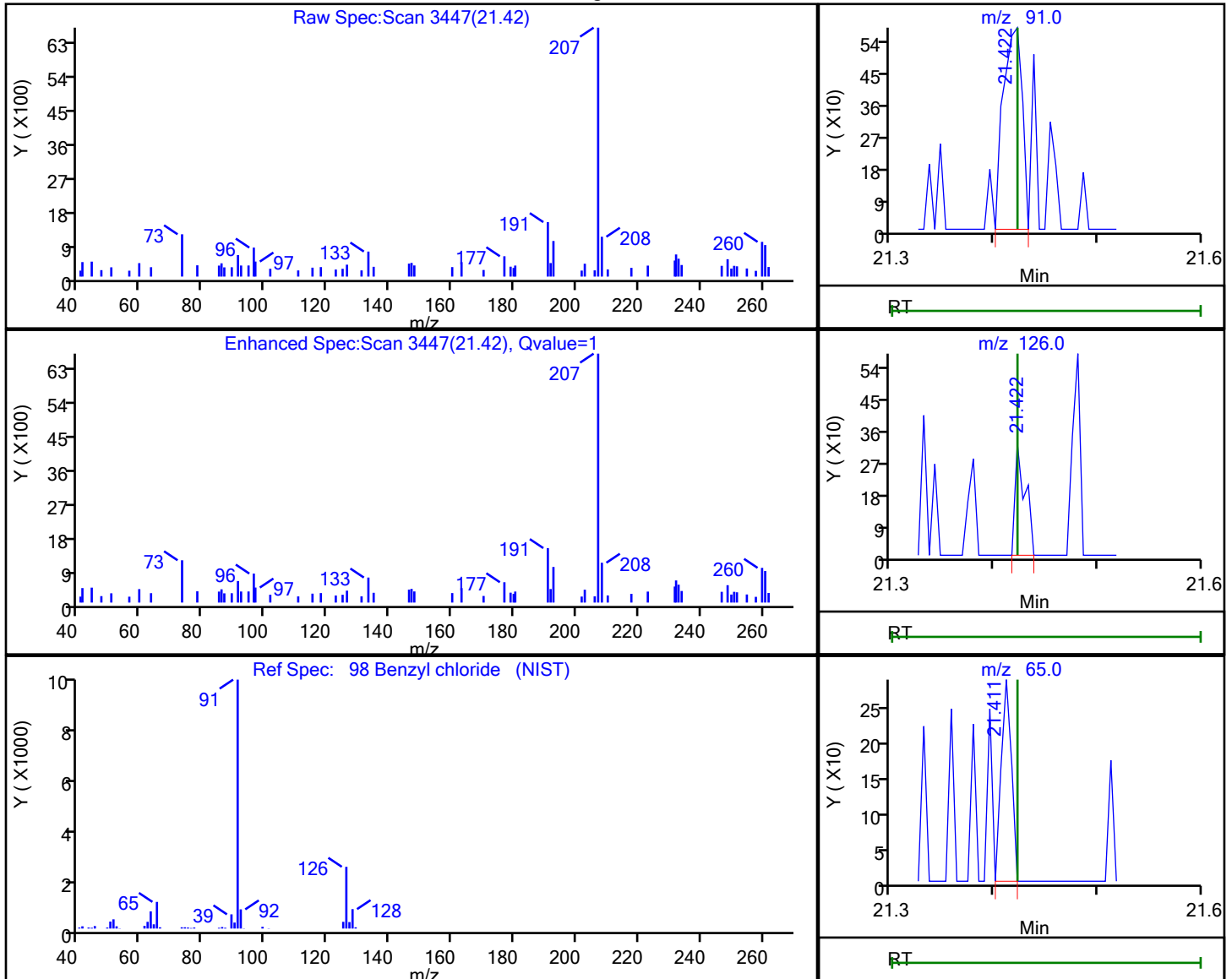
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
21.42	91.00	736	0.009876
21.42	126.00	217	
21.41	65.00	199	

Reviewer: bunmaa, 13-Sep-2021 11:46:00

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D

Injection Date: 10-Sep-2021 17:06:30

Instrument ID: CHG.i

Lims ID: 200-59910-A-12

Lab Sample ID: 200-59910-12

Client ID: 2860

Operator ID: vtp

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

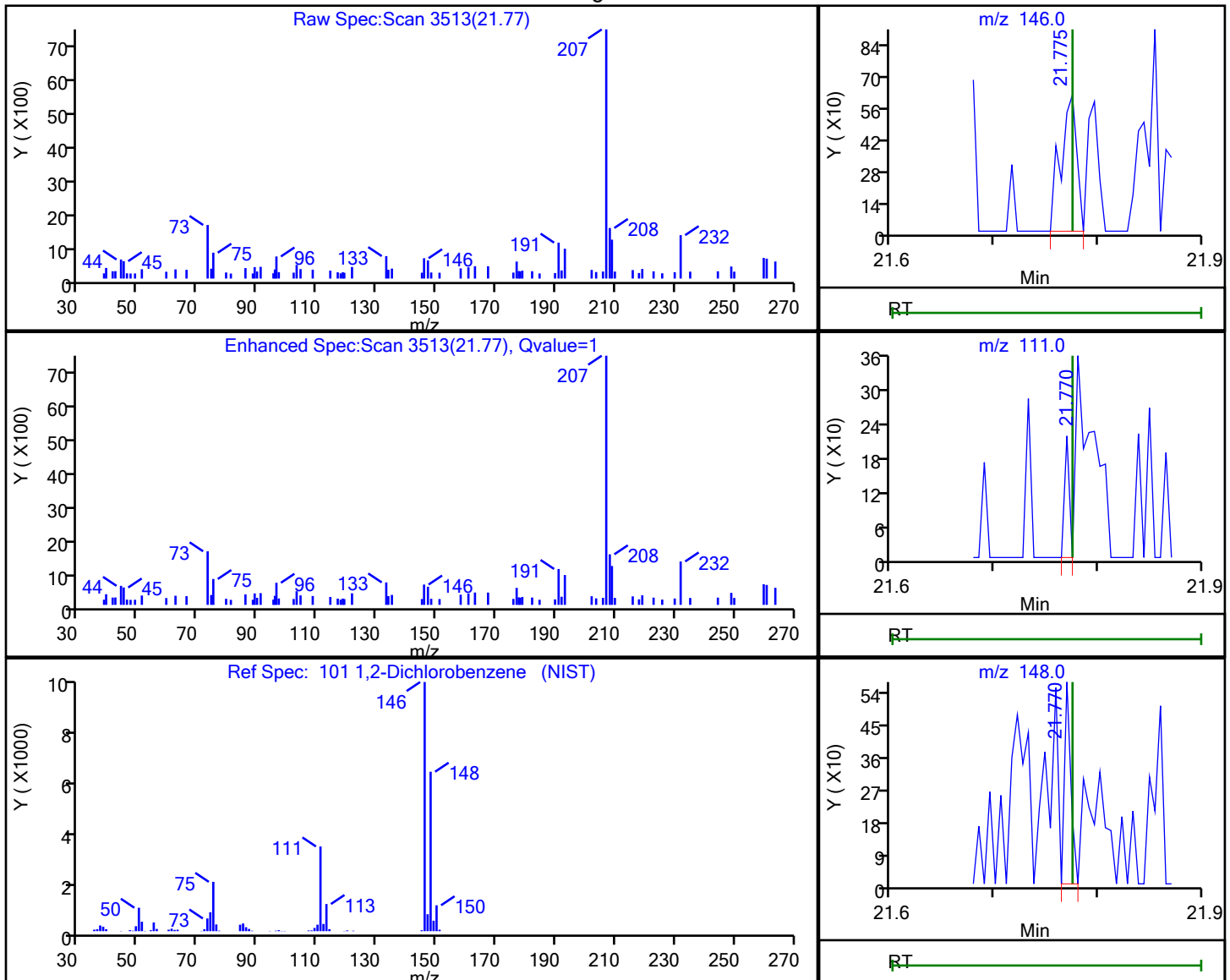
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
21.77	146.00	657	0.011522
21.77	111.00	68	
21.77	148.00	241	

Reviewer: bunmaa, 13-Sep-2021 11:46:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

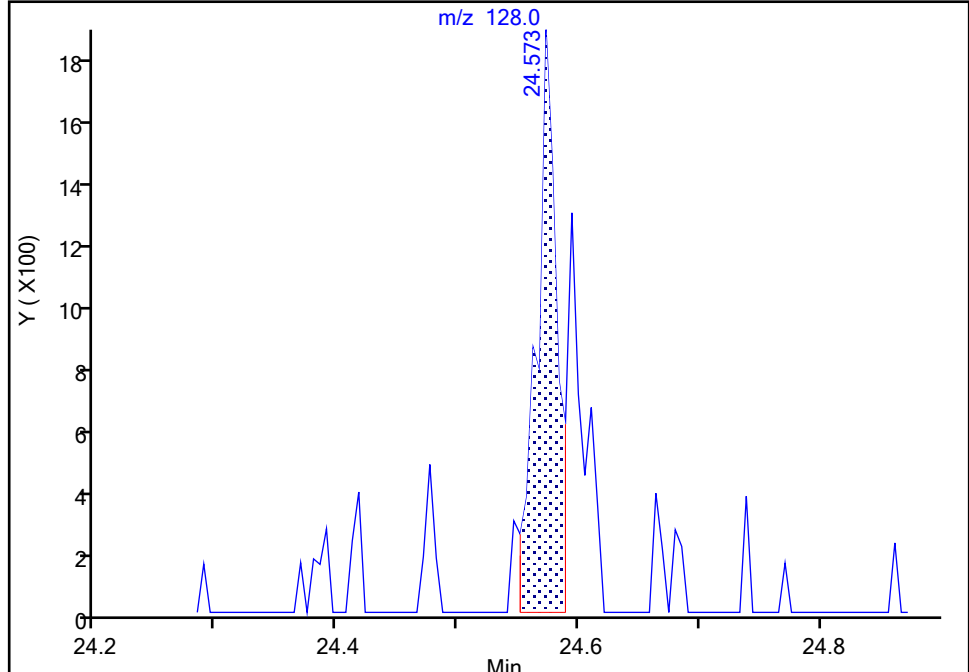
Data File: \\chromfs\Burlington\ChromData\CHG.i\20210910-47482.b\200-47482-010.D
Injection Date: 10-Sep-2021 17:06:30 Instrument ID: CHG.i
Lims ID: 200-59910-A-12 Lab Sample ID: 200-59910-12
Client ID: 2860
Operator ID: vtp ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

105 Naphthalene, CAS: 91-20-3

Signal: 1

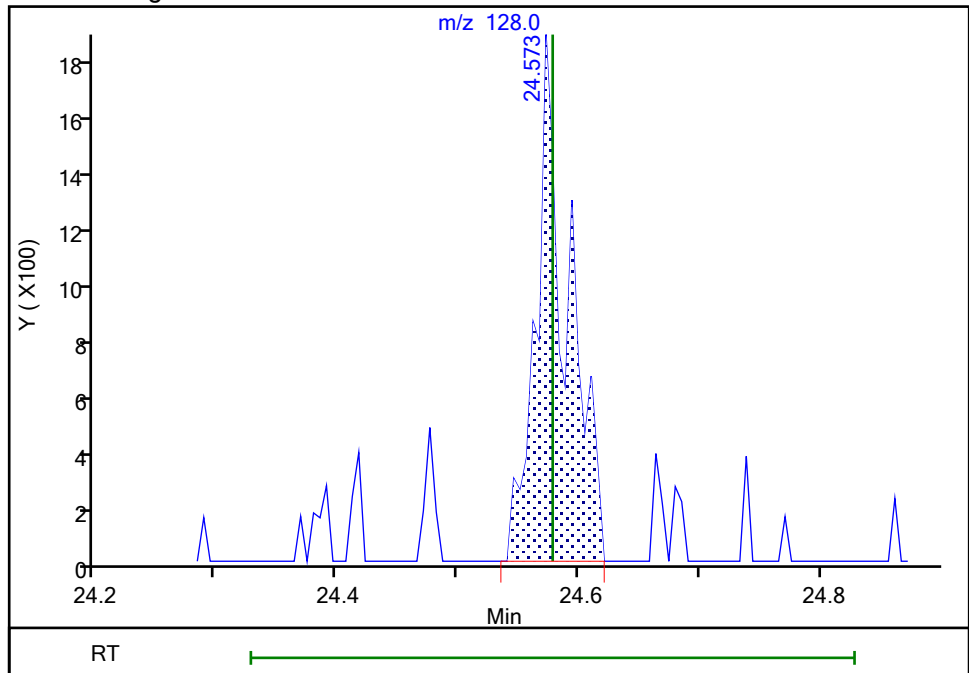
RT: 24.57
Area: 2152
Amount: 0.020831
Amount Units: ppb v/v

Processing Integration Results



RT: 24.57
Area: 3310
Amount: 0.032040
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 13-Sep-2021 11:46:26

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-170973/2	200-47404-002.D
Level 2	IC 200-170973/3	200-47404-003.D
Level 3	IC 200-170973/4	200-47404-004.D
Level 4	IC 200-170973/5	200-47404-005.D
Level 5	ICIS 200-170973/6	200-47404-006.D
Level 6	IC 200-170973/7	200-47404-007.D
Level 7	IC 200-170973/8	200-47404-008.D
Level 8	IC 200-170973/9	200-47404-009.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	++++ 2.2341	++++ 2.2880	++++ 1.9984	2.8075	2.7634	Ave		2.418 3				14.6		30.0			
Dichlorodifluoromethane	++++ 7.0865	++++ 7.3098	9.2462 6.7102	8.7049	8.6242	Ave		7.947 0				13.1		30.0			
Freon 22	++++ 3.3928	++++ 3.4952	5.2211 3.2045	4.3130	4.0914	Ave		3.953 0				19.1		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.7001	5.1555 3.9660	5.3366 3.6623	4.5022	4.3276	Ave		4.378 6				15.3		30.0			
Chloromethane	++++ 0.8859	++++ 0.9307	1.2987 0.8254	1.1410	1.1017	Ave		1.030 6				17.5		30.0			
Vinyl chloride	1.3861 0.9478	1.5278 0.9704	1.2931 0.8731	1.1594	1.1597	Ave		1.164 7				19.7		30.0			
n-Butane	++++ 1.2169	++++ 1.2477	2.0615 1.1091	1.5806	1.5739	Ave		1.465 0				24.0		30.0			
1,3-Butadiene	0.7082 0.6372	1.2484 0.6688	1.0360 0.5989	0.8530	0.8007	Ave		0.818 9				27.3		30.0			
Bromomethane	++++ 1.0056	1.6573 1.0448	1.3896 0.9375	1.2225	1.2137	Ave		1.210 1				20.7		30.0			
Chloroethane	++++ 0.3342	++++ 0.3486	0.5017 0.3080	0.4421	0.3792	Ave		0.385 6				19.0		30.0			
Isopentane	++++ 0.7759	1.4446 0.7884	1.3194 0.7043	1.0680	0.9286	Ave		1.004 2				28.5		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.9555	1.5995 0.9944	1.3027 0.8948	1.1621	1.0958	Ave		1.143 5				21.3		30.0			
Trichlorofluoromethane	++++ 2.6834	4.0837 2.7818	3.4477 2.5288	3.4142	3.1388	Ave		3.154 1				17.2		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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

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-Pentane	+++++ 1.2470	+++++ 1.3159	2.1914 1.1966	1.5994	1.4377	Ave		1.498 0				24.6		30.0			
Ethanol	+++++ 0.2620	+++++ 0.2566	0.3704 0.2420	0.3459	0.3200	Ave		0.299 5				17.8		30.0			
Ethyl ether	+++++ 0.3827	0.7417 0.4190	0.7273 +++++	0.4896	0.4415	Ave		0.533 6				29.9		30.0			
Acrolein	+++++ 0.1759	+++++ 0.1798	+++++ 0.1435	0.1773	0.1557	Ave		0.166 4				9.6		30.0			
1,1-Dichloroethene	1.1989 0.8882	1.2238 0.9273	1.3678 0.8269	1.1534	0.9975	Ave		1.073 0				17.7		30.0			
Acetone	+++++ 0.9385	+++++ 1.0399	+++++ 0.8601	1.3469	1.0115	Ave		1.039 4				17.8		30.0			
Freon TF	+++++ 2.0542	3.2399 2.1434	2.8638 1.9075	2.5154	2.3709	Ave		2.442 2				19.4		30.0			
Isopropyl alcohol	+++++ 1.2057	+++++ 1.2422	+++++ 1.0917	1.6972	1.4867	Ave		1.344 7				18.2		30.0			
Carbon disulfide	+++++ 2.6698	+++++ 2.7330	3.7240 2.4532	3.3831	3.2072	Ave		3.028 4				16.1		30.0			
Acetonitrile	+++++ 0.4513	+++++ 0.4859	+++++ 0.4082	0.5772	0.4779	Ave		0.480 1				13.0		30.0			
3-Chloropropene	+++++ 1.0148	1.9165 1.0613	1.5369 0.8979	1.3177	1.2485	Ave		1.284 8				27.3		30.0			
Methylene Chloride	+++++ 0.9886	+++++ 1.0304	1.5236 0.9154	1.3548	1.2300	Ave		1.173 8				20.2		30.0			
tert-Butyl alcohol	+++++ 1.4119	+++++ 1.4508	+++++ 1.2791	1.9767	1.7554	Ave		1.574 8				18.1		30.0			
Acrylonitrile	+++++ 0.4231	+++++ 0.4591	0.5690 0.3896	0.5308	0.4537	Ave		0.470 9				14.3		30.0			
trans-1,2-Dichloroethene	2.6136 1.3565	2.0657 1.4058	1.8361 1.2464	1.7518	1.6243	Ave		1.737 5				25.7		30.0			
Methyl tert-butyl ether	+++++ 1.8674	3.4391 1.9662	2.8461 1.7432	2.4742	2.0518	Ave		2.341 1				26.4		30.0			
n-Hexane	+++++ 1.0558	1.7625 1.0633	1.6742 0.9159	1.3411	1.2231	Ave		1.290 8				25.0		30.0			
1,1-Dichloroethane	1.5361 1.4992	2.5588 1.5869	2.1754 1.3988	1.8648	1.8350	Ave		1.806 9				21.8		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: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

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								
Vinyl acetate	++++ 1.6315	++++ 1.7200	++++ 1.5167	2.1847	1.7317	Ave		1.756 9				14.5		30.0			
Methyl Ethyl Ketone	++++ 0.2950	++++ 0.3166	0.4955 0.2839	0.4108	0.3150	Ave		0.352 8				23.6		30.0			
cis-1,2-Dichloroethene	1.0744 0.9838	1.5038 1.0420	1.2226 0.9080	1.1420	1.1469	Ave		1.127 9				16.1		30.0			
Ethyl acetate	++++ 0.0441	++++ 0.0441	++++ 0.0412	0.0584	0.0483	Ave		0.047 2				14.3		30.0			
Tetrahydrofuran	++++ 0.1217	++++ 0.1329	++++ 0.1118	0.2041	0.1484	Ave		0.143 8				25.3		30.0			
Chloroform	++++ 2.2062	3.5579 2.3660	3.2926 2.0826	2.9221	2.7492	Ave		2.739 5				20.3		30.0			
1,1,1-Trichloroethane	++++ 0.4060	0.6924 0.4475	0.7905 0.3945	0.6241	0.5345	Ave		0.555 6				27.4		30.0			
Cyclohexane	++++ 0.1949	0.3385 0.2114	0.3141 0.1818	0.2811	0.2527	Ave		0.253 5				23.9		30.0			
Carbon tetrachloride	0.7206 0.4938	0.7894 0.5337	0.8676 0.4708	0.7170	0.6249	Ave		0.652 2				22.2		30.0			
Benzene	++++ 0.5064	0.8454 0.5683	0.8625 0.4913	0.6423	0.6663	Ave		0.654 6				23.0		30.0			
1,2-Dichloroethane	++++ 0.2509	0.4333 0.2801	0.4600 0.2351	0.3411	0.3371	Ave		0.333 9				26.0		30.0			
2,2,4-Trimethylpentane	++++ 0.8366	1.3976 0.8972	1.6017 0.7690	1.3328	1.1559	Ave		1.141 6				27.8		30.0			
n-Heptane	++++ 0.3252	0.5830 0.3514	0.7317 0.2946	0.5102	0.4589	Ave		0.465 0				33.8	*	30.0			
n-Butanol	++++ 0.1393	++++ 0.1476	++++ 0.1255	0.2365	0.1970	Ave		0.169 2				27.4		30.0			
Trichloroethene	0.7294 0.3250	0.5780 0.3596	0.5778 ++++	0.4935	0.4334	Ave		0.499 5				28.3		30.0			
1,2-Dichloropropane	++++ 0.2253	0.4243 0.2560	0.3006 0.2133	0.3301	0.2885	Ave		0.291 2				24.7		30.0			
Dibromomethane	++++ 0.3461	0.4248 0.4043	0.4661 0.3732	0.4364	0.4404	Ave		0.413 0				10.1		30.0			
Methyl methacrylate	++++ 0.1837	0.3398 0.1990	0.3327 0.1838	0.3058	0.2160	Ave		0.251 5				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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

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								
1,4-Dioxane	++++ 0.1264	++++ 0.1353	++++ 0.1158	0.2037	0.1654	Ave		0.149 3				23.8		30.0			
Bromodichloromethane	++++ 0.5301	0.8298 0.5926	0.9258 0.5328	0.7414	0.7111	Ave		0.694 8				21.8		30.0			
cis-1,3-Dichloropropene	++++ 0.3924	0.7186 0.4403	0.7049 0.3999	0.5637	0.5025	Ave		0.531 8				25.7		30.0			
methyl isobutyl ketone	++++ 0.4812	0.9252 0.5102	0.9837 ++++	0.8629	0.6557	Ave		0.736 5				29.5		30.0			
Toluene	++++ 0.4549	0.8307 0.5314	0.7272 0.4398	0.6192	0.5797	Ave		0.597 6				23.8		30.0			
n-Octane	++++ 0.5777	1.0317 0.6073	1.1885 ++++	0.9078	0.8188	Ave		0.855 3				27.9		30.0			
trans-1,3-Dichloropropene	++++ 0.3530	0.6802 0.3859	0.6674 0.3664	0.5780	0.4383	Ave		0.495 6				28.9		30.0			
1,1,2-Trichloroethane	++++ 0.2389	0.4325 0.2742	0.3759 0.2384	0.3484	0.3097	Ave		0.316 9				23.0		30.0			
Tetrachloroethene	0.6424 0.4662	0.8612 0.5343	0.6583 0.4866	0.6189	0.5858	Ave		0.606 7				20.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5084	++++ 0.5288	0.9651 0.4365	0.8542	0.7027	Ave		0.666 0				31.7	*	30.0			
Dibromochloromethane	++++ 0.6650	0.9020 0.7619	0.9748 0.7046	0.8396	0.8821	Ave		0.818 6				13.7		30.0			
1,2-Dibromoethane	++++ 0.4425	0.6876 0.5049	0.7135 0.4769	0.6251	0.5446	Ave		0.570 7				18.6		30.0			
Chlorobenzene	++++ 0.6560	1.0766 0.7445	1.0802 0.6688	0.8969	0.8211	Ave		0.849 1				20.9		30.0			
Ethylbenzene	++++ 1.0317	1.9485 1.1749	1.8840 1.0362	1.5403	1.2811	Ave		1.413 8				27.2		30.0			
m,p-Xylene	++++ 0.3986	0.5901 0.4624	0.5186 0.4067	0.5888	0.4914	Ave		0.493 8				15.8		30.0			
n-Nonane	++++ 0.5614	0.8901 0.6176	1.0989 0.5127	0.7859	0.7607	Ave		0.746 8				27.4		30.0			
Xylene, o-	++++ 0.4024	0.7106 0.4620	0.5454 0.4017	0.5757	0.5070	Ave		0.514 9				21.2		30.0			
Styrene	++++ 0.6226	0.9637 0.7050	0.8792 0.6486	0.9215	0.7632	Ave		0.786 3				17.3		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: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

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								
Bromoform	++++ 0.6287	0.6702 0.7882	0.9207 0.7389	0.7966	0.8289	Ave		0.767 5				12.8		30.0			
Cumene	++++ 1.1717	1.7338 1.3571	1.9383 1.1979	1.7189	1.5040	Ave		1.517 4				19.3		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6799	1.1005 0.7613	1.1870 0.6762	1.0102	0.8898	Ave		0.900 7				22.8		30.0			
1,2,3-Trichloropropane	++++ 0.4966	++++ 0.5566	0.9144 0.4955	0.7675	0.6479	Ave		0.646 4				25.9		30.0			
n-Propylbenzene	++++ 1.4127	2.2462 1.6224	2.4636 1.4640	2.1832	1.8126	Ave		1.886 4				21.9		30.0			
2-Chlorotoluene	++++ 0.9372	1.4282 1.0809	1.5803 0.9584	1.3612	1.2002	Ave		1.220 9				20.1		30.0			
4-Ethyltoluene	++++ 1.1841	1.8663 1.3535	1.9122 1.2343	1.7788	1.4785	Ave		1.544 0				19.8		30.0			
1,3,5-Trimethylbenzene	++++ 1.0239	1.5396 1.1868	1.7027 1.0725	1.5417	1.3030	Ave		1.338 6				19.5		30.0			
n-Decane	++++ 0.6691	++++ 0.7639	1.2653 0.6632	1.0583	0.9114	Ave		0.888 5				26.9		30.0			
Alpha Methyl Styrene	++++ 0.5476	0.6774 0.6332	0.7380 0.5789	0.7633	0.6761	Ave		0.659 2				12.0		30.0			
tert-Butylbenzene	++++ 0.9629	1.4728 1.1253	1.6222 1.0215	1.4413	1.2442	Ave		1.270 0				19.6		30.0			
1,2,4-Trimethylbenzene	++++ 1.0350	1.5661 1.1984	1.7721 1.0901	1.5570	1.3393	Ave		1.365 4				20.2		30.0			
sec-Butylbenzene	++++ 1.4863	2.3424 1.7157	2.5330 1.5752	2.1839	1.9262	Ave		1.966 1				20.3		30.0			
1,3-Dichlorobenzene	++++ 0.7614	1.0640 0.8852	1.2069 0.8364	1.0348	0.9292	Ave		0.959 7				15.8		30.0			
4-Isopropyltoluene	++++ 1.2577	1.9480 1.4761	2.1344 1.3626	1.8627	1.6228	Ave		1.666 3				19.5		30.0			
1,4-Dichlorobenzene	++++ 0.7681	1.1304 0.9013	1.2205 0.8564	1.0665	0.9386	Ave		0.983 1				16.4		30.0			
Benzyl chloride	++++ 0.9557	1.3467 1.1010	1.6467 1.0326	1.4401	1.2096	Ave		1.247 5				19.6		30.0			
1,2-Dichlorobenzene	++++ 0.7673	1.0565 0.9183	1.1136 0.8531	1.0237	0.9484	Ave		0.954 4				12.6		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: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

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-Butylbenzene	+++++ 1.2270	1.9691 1.4451	2.1271 1.3343	1.8581	1.5889	Ave		1.649 9				20.7		30.0			
n-Undecane	+++++ 0.7301	+++++ 0.8204	+++++ 0.7607	1.1302	0.9921	Ave		0.886 7				19.1		30.0			
n-Dodecane	+++++ 0.7947	+++++ 0.8361	+++++ 0.5951	1.1924	1.0636	Ave		0.896 4				26.2		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7124	+++++ 0.7971	0.9106 0.7022	0.9344	0.8862	Ave		0.823 8				12.3		30.0			
Hexachlorobutadiene	+++++ 0.8157	1.2140 0.9637	1.1949 0.8105	1.0402	0.9816	Ave		1.002 9				16.1		30.0			
Naphthalene	+++++ 1.4797	+++++ 1.5525	2.0464 1.3747	2.0251	1.8970	Ave		1.729 2				17.1		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7160	+++++ 0.7896	0.9891 0.6444	0.9389	0.8807	Ave		0.826 4				16.1		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-170973/2	200-47404-002.D
Level 2	IC 200-170973/3	200-47404-003.D
Level 3	IC 200-170973/4	200-47404-004.D
Level 4	IC 200-170973/5	200-47404-005.D
Level 5	ICIS 200-170973/6	200-47404-006.D
Level 6	IC 200-170973/7	200-47404-007.D
Level 7	IC 200-170973/8	200-47404-008.D
Level 8	IC 200-170973/9	200-47404-009.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	++++ 540182	++++ 759982	++++ 1375409	181826	384967	++++ 15.5	++++ 20.6	++++ 41.3	4.64	10.3
Dichlorodifluoromethane	BCM	Ave	++++ 1733361	++++ 2456254	++++ 4671985	570325	1215379	++++ 15.7	++++ 20.9	++++ 41.8	4.69	10.4
Freon 22	BCM	Ave	++++ 833054	++++ 1178958	++++ 2239671	283659	578803	++++ 15.7	++++ 21.0	++++ 41.9	4.71	10.5
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 902438	++++ 1328816	++++ 2542553	294128	608130	++++ 15.6	++++ 0.188 20.8	++++ 0.469 41.6	4.68	10.4
Chloromethane	BCM	Ave	++++ 226659	++++ 327129	++++ 601128	78194	162397	++++ 16.4	++++ 21.8	++++ 43.7	4.91	10.9
Vinyl chloride	BCM	Ave	645 230717	4164 324505	8590 604961	75596	162654	0.0333 15.6	0.187 20.8	0.468 41.6	4.67	10.4
n-Butane	BCM	Ave	++++ 295377	++++ 416041	++++ 766281	102762	220110	++++ 15.5	++++ 20.7	++++ 41.4	4.66	10.4
1,3-Butadiene	BCM	Ave	321 151087	3314 217859	6703 404170	54176	109382	0.0325 15.2	0.183 20.2	0.456 40.5	4.55	10.1
Bromomethane	BCM	Ave	++++ 242907	++++ 346695	++++ 644614	79097	168917	++++ 15.5	++++ 20.6	++++ 41.2	4.63	10.3
Chloroethane	BCM	Ave	++++ 81360	++++ 116571	++++ 213415	28827	53186	++++ 15.6	++++ 20.8	++++ 41.6	4.67	10.4
Isopentane	BCM	Ave	++++ 189774	++++ 264926	++++ 490364	69973	130868	++++ 15.7	++++ 20.9	++++ 41.8	4.69	10.4
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 233261	++++ 333506	++++ 621822	75990	154129	++++ 15.6	++++ 20.8	++++ 41.7	4.68	10.4
Trichlorofluoromethane	BCM	Ave	++++ 663903	++++ 945484	++++ 1780923	226263	447420	++++ 15.8	++++ 21.1	++++ 42.2	4.74	10.6
n-Pentane	BCM	Ave	++++ 295965	++++ 429052	++++ 808371	101680	196590	++++ 15.2	++++ 20.3	++++ 40.5	4.55	10.1
Ethanol	BCM	Ave	++++ 82037	++++ 165208	++++ 403531	43437	64816	++++ 20.0	++++ 40.0	++++ 100.0	8.99	15.0

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-59910-1

Analy Batch No.: 170973

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2021 10:46

Calibration End Date: 09/03/2021 16:55

Calibration ID: 46585

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	++++ 90385	1961 135928	4687 ++++	30971	60076	++++ 15.1	0.182 20.2	0.454 ++++	4.53	10.1
Acrolein	BCM	Ave	++++ 40055	++++ 56265	++++ 93031	10814	20423	++++ 14.6	++++ 19.4	++++ 38.9	4.37	9.72
1,1-Dichloroethene	BCM	Ave	552 213933	3300 306814	8990 566927	74409	138421	0.0330 15.4	0.185 20.6	0.463 41.1	4.62	10.3
Acetone	BCM	Ave	++++ 225165	++++ 342745	++++ 587365	86553	139817	++++ 15.4	++++ 20.5	++++ 41.0	4.60	10.2
Freon TF	BCM	Ave	++++ 504853	8915 723689	19207 1334455	165595	335722	++++ 15.7	0.189 21.0	0.472 42.0	4.71	10.5
Isopropyl alcohol	BCM	Ave	++++ 288692	++++ 408609	++++ 744067	108855	205107	++++ 15.3	++++ 20.4	++++ 40.9	4.59	10.2
Carbon disulfide	BCM	Ave	++++ 635519	++++ 893727	24191 1662252	215710	439854	++++ 15.2	++++ 20.3	0.458 40.6	4.57	10.2
Acetonitrile	BCM	Ave	++++ 104673	++++ 154816	++++ 269477	35861	63867	++++ 14.9	++++ 19.8	++++ 39.6	4.45	9.90
3-Chloropropene	BCM	Ave	++++ 253216	5354 363805	10465 637773	88070	179483	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.6
Methylene Chloride	BCM	Ave	++++ 238107	++++ 340923	10014 627547	87401	170684	++++ 15.4	++++ 20.6	0.463 41.1	4.62	10.3
tert-Butyl alcohol	BCM	Ave	++++ 356586	++++ 503381	++++ 919596	133723	255436	++++ 16.2	++++ 21.6	++++ 43.1	4.84	10.8
Acrylonitrile	BCM	Ave	++++ 100220	++++ 149389	3678 262691	33676	61923	++++ 15.2	++++ 20.2	0.455 40.4	4.54	10.1
trans-1,2-Dichloroethene	BCM	Ave	1194 324166	5527 461533	11974 847869	112132	223640	0.0327 15.3	0.184 20.4	0.459 40.8	4.58	10.2
Methyl tert-butyl ether	BCM	Ave	++++ 457195	9427 661319	19016 1214868	162257	289437	++++ 15.7	0.189 20.9	0.471 41.8	4.70	10.4
n-Hexane	BCM	Ave	++++ 261961	4896 362424	11336 646840	89128	174848	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
1,1-Dichloroethane	BCM	Ave	688 351259	6712 510763	13909 932879	117030	247702	0.0321 15.0	0.180 20.0	0.450 40.0	4.49	10.00
Vinyl acetate	BCM	Ave	++++ 397149	++++ 575193	++++ 1050941	142453	242880	++++ 15.6	++++ 20.8	++++ 41.6	4.67	10.4
Methyl Ethyl Ketone	BCM	Ave	++++ 71475	++++ 105349	3276 195785	26657	43968	++++ 15.5	++++ 20.7	0.466 41.4	4.65	10.3
cis-1,2-Dichloroethene	BCM	Ave	486 232809	3984 338738	7895 611574	72387	156370	0.0324 15.2	0.182 20.2	0.455 40.4	4.54	10.1
Ethyl acetate	BCM	Ave	++++ 10456	++++ 14389	++++ 27860	3714	6598	++++ 15.2	++++ 20.3	++++ 40.5	4.55	10.1
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	70541	115047	++++	++++	++++	4.49	9.99

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-59910-1

Analy Batch No.: 170973

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2021 10:46

Calibration End Date: 09/03/2021 16:55

Calibration ID: 46585

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
			178608	255691	458625			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 522059	9426 769131	21262 1402765	185213	374824	++++ 15.2	0.182 20.2	0.455 40.4	4.54	10.1
1,1,1-Trichloroethane	DFBZ	Ave	++++ 607920	10614 878006	24791 1650668	220016	422714	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
Cyclohexane	DFBZ	Ave	++++ 290716	5168 413252	9810 757611	98697	199026	++++ 15.2	0.183 20.3	0.457 40.6	4.56	10.1
Carbon tetrachloride	DFBZ	Ave	1913 737197	12065 1044229	27128 1964194	252045	492728	0.0326 15.2	0.183 20.3	0.458 40.6	4.57	10.2
Benzene	DFBZ	Ave	++++ 768671	13137 1130430	27419 2083982	229550	534202	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
1,2-Dichloroethane	DFBZ	Ave	++++ 381951	6752 558852	14665 999936	122257	271027	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1287173	22012 1808866	51610 3306096	482771	939253	++++ 15.7	0.189 20.9	0.472 41.9	4.70	10.5
n-Heptane	DFBZ	Ave	++++ 502321	9218 711131	23665 1271235	185510	374307	++++ 15.8	0.190 21.0	0.473 42.0	4.72	10.5
n-Butanol	DFBZ	Ave	++++ 195519	++++ 271475	++++ 492186	78154	146006	++++ 14.3	++++ 19.1	++++ 38.2	4.29	9.55
Trichloroethene	DFBZ	Ave	2007 502910	9156 729081	18725 ++++	179783	354152	0.0338 15.8	0.190 21.1	0.474 ++++	4.73	10.5
1,2-Dichloropropane	DFBZ	Ave	++++ 341291	6580 508183	9538 903081	117740	230881	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
Dibromomethane	DFBZ	Ave	++++ 523816	6582 801863	14773 1578233	155511	352008	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
Methyl methacrylate	DFBZ	Ave	++++ 274240	5193 389393	10402 766946	107483	170301	++++ 15.2	0.183 20.3	0.458 40.6	4.57	10.2
1,4-Dioxane	DFBZ	Ave	++++ 196457	++++ 275643	++++ 503000	74575	135811	++++ 15.9	++++ 21.2	++++ 42.3	4.75	10.6
Bromodichloromethane	DFBZ	Ave	++++ 823384	13194 1206091	30115 2312420	271118	583357	++++ 15.9	0.191 21.1	0.476 42.3	4.75	10.6
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 599048	11232 880926	22540 1706068	202643	405161	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
methyl isobutyl ketone	DFBZ	Ave	++++ 724020	14252 1006036	31001 ++++	305716	521122	++++ 15.4	0.185 20.5	0.461 ++++	4.60	10.2
Toluene	CBNZd 5	Ave	++++ 656178	13267 1025983	23719 1906739	217408	428795	++++ 15.2	0.183 20.3	0.458 40.6	4.57	10.2
n-Octane	DFBZ	Ave	++++ 876966	16032 1207966	37782 ++++	324430	656473	++++ 15.5	0.186 20.7	0.465 ++++	4.64	10.3
trans-1,3-Dichloropropene	DFBZ	Ave	++++	10109	20293	197581	336053	++++	0.178	0.445	4.44	9.88

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-59910-1

Analy Batch No.: 170973

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2021 10:46

Calibration End Date: 09/03/2021 16:55

Calibration ID: 46585

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
			512573	734169	1486280			14.8	19.8	39.5		
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++	7125	12646	126172	236308	+++++	0.189	0.472	4.71	10.5
			355441	546033	1066296			15.7	21.0	41.9		
Tetrachloroethene	CBNZd 5	Ave	1848	14214	22190	224594	447827	0.0337	0.189	0.473	4.72	10.5
			694874	1066093	2180262			15.8	21.0	42.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++	+++++	30953	294920	511076	+++++	+++++	0.450	4.49	9.99
			721112	1003805	1860649			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	+++++	13725	30295	280860	621675	+++++	0.175	0.436	4.35	9.68
			913910	1401378	2910586			14.5	19.4	38.7		
1,2-Dibromoethane	CBNZd 5	Ave	+++++	11468	24303	229209	420709	+++++	0.191	0.478	4.77	10.6
			666501	1017956	2158998			15.9	21.2	42.4		
Chlorobenzene	CBNZd 5	Ave	+++++	17751	36378	325155	627072	+++++	0.189	0.472	4.71	10.5
			976899	1484047	2993694			15.7	21.0	42.0		
Ethylbenzene	CBNZd 5	Ave	+++++	31301	61816	544015	953187	+++++	0.184	0.460	4.59	10.2
			1496832	2281739	4519009			15.3	20.4	40.9		
m,p-Xylene	CBNZd 5	Ave	+++++	19070	34232	418380	735586	+++++	0.371	0.926	9.24	20.6
			1163344	1806342	3567660			30.8	41.1	82.2		
n-Nonane	CBNZd 5	Ave	+++++	14662	36975	284637	580429	+++++	0.189	0.472	4.71	10.5
			835258	1229968	2292725			15.7	21.0	41.9		
Xylene, o-	CBNZd 5	Ave	+++++	11572	18139	206105	382378	+++++	0.187	0.467	4.66	10.4
			591845	909457	1775637			15.5	20.7	41.4		
Styrene	CBNZd 5	Ave	+++++	15633	29130	328656	573388	+++++	0.186	0.465	4.64	10.3
			912207	1382569	2856424			15.5	20.6	41.3		
Bromoform	CBNZd 5	Ave	+++++	10840	30415	283281	620986	+++++	0.186	0.463	4.62	10.3
			918488	1541162	3244376			15.4	20.6	41.2		
Cumene	CBNZd 5	Ave	+++++	28425	64905	619566	1142067	+++++	0.188	0.470	4.69	10.4
			1734959	2689606	5331462			15.6	20.9	41.7		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++	17886	39405	360974	669824	+++++	0.187	0.466	4.65	10.3
			998025	1495769	2983569			15.5	20.7	41.4		

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

Lab Name: Eurofins TestAmerica, Burlington

Job No.: 200-59910-1

Analy Batch No.: 170973

SDG No.: _____

Instrument ID: CHG.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2021 10:46

Calibration End Date: 09/03/2021 16:55

Calibration ID: 46585

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
1,2,3-Trichloropropane	CBNZd 5	Ave	++++ 746602	++++ 1119979	31088 2239115	280902	499534	++++ 15.9	++++ 21.2	0.477 42.4	4.76	10.6
n-Propylbenzene	CBNZd 5	Ave	++++ 2085803	36719 3206325	82258 6496889	784670	1372448	++++ 15.6	0.188 20.8	0.468 41.6	4.67	10.4
2-Chlorotoluene	CBNZd 5	Ave	++++ 1388996	23437 2144318	52968 4269777	491106	912205	++++ 15.7	0.188 20.9	0.470 41.8	4.69	10.4
4-Ethyltoluene	CBNZd 5	Ave	++++ 1736492	30304 2656906	63418 5440635	635016	1111933	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 1510314	25144 2343095	56797 4755014	553584	985659	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
n-Decane	CBNZd 5	Ave	++++ 989837	++++ 1512573	42330 2948664	381097	691391	++++ 15.6	++++ 20.8	0.469 41.7	4.68	10.4
Alpha Methyl Styrene	CBNZd 5	Ave	++++ 792899	10861 1227261	24169 2519687	269054	502108	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
tert-Butylbenzene	CBNZd 5	Ave	++++ 1416157	23984 2215216	53957 4515838	516036	938451	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 1528081	25602 2368371	59169 4837546	559618	1014075	++++ 15.6	0.188 20.8	0.468 41.6	4.67	10.4
sec-Butylbenzene	CBNZd 5	Ave	++++ 2207152	38512 3410094	85062 7030775	789458	1466895	++++ 15.7	0.189 20.9	0.471 41.8	4.70	10.5
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 1143686	17694 1779617	40995 3775898	378373	715722	++++ 15.9	0.191 21.2	0.477 42.3	4.75	10.6
4-Isopropyltoluene	CBNZd 5	Ave	++++ 1840950	31569 2891810	70649 5994433	663670	1218092	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 1141746	18604 1793183	41026 3825993	385887	715449	++++ 15.7	0.189 20.9	0.472 41.9	4.70	10.5
Benzyl chloride	CBNZd 5	Ave	++++ 1435436	22395 2213528	55933 4661816	526537	931680	++++ 15.9	0.191 21.2	0.477 42.3	4.75	10.6

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1 Analy Batch No.: 170973

SDG No.: _____

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

Calibration Start Date: 09/03/2021 10:46 Calibration End Date: 09/03/2021 16:55 Calibration ID: 46585

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-Dichlorobenzene	CBNZd 5	Ave	+++++	17337	37324	369361	720863	+++++	0.188	0.470	4.69	10.4
			1137194	1821742	3800577			15.7	20.9	41.8		
n-Butylbenzene	CBNZd 5	Ave	+++++	32158	70953	667188	1201872	+++++	0.187	0.468	4.67	10.4
			1809888	2853124	5915489			15.6	20.8	41.6		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	408565	755539	+++++	+++++	+++++	4.70	10.5
			1084160	1630746	3395190			15.7	20.9	41.8		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	385714	724772	+++++	+++++	+++++	4.21	9.36
			1055992	1487073	2376764			14.0	18.7	37.4		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	31748	350702	700641	+++++	+++++	0.489	4.88	10.9
			1098355	1644844	3254096			16.3	21.7	43.4		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	19578	39360	368816	733217	+++++	0.185	0.462	4.61	10.3
			1188191	1878807	3548455			15.4	20.5	41.0		
Naphthalene	CBNZd 5	Ave	+++++	+++++	63861	680253	1342439	+++++	+++++	0.438	4.37	9.72
			2041906	2867434	5701757			14.6	19.4	38.9		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	28960	295914	584756	+++++	+++++	0.411	4.10	9.12
			927040	1368329	2507737			13.7	18.2	36.5		

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Lab Sample ID: ICV 200-170973/12 Calibration Date: 09/03/2021 19:37
 Instrument ID: CHG.i Calib Start Date: 09/03/2021 10:46
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/03/2021 16:55
 Lab File ID: 200-47404-012.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	2.418	2.524		10.6	10.1	4.4	30.0
Dichlorodifluoromethane	Ave	7.947	7.833		10.4	10.6	-1.4	30.0
Freon 22	Ave	3.953	3.675		9.83	10.6	-7.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.379	3.987		9.64	10.6	-8.9	30.0
Chloromethane	Ave	1.031	1.017		9.81	9.94	-1.3	30.0
Vinyl chloride	Ave	1.165	1.003		8.60	9.99	-13.9	30.0
n-Butane	Ave	1.465	1.283		9.02	10.3	-12.4	30.0
1,3-Butadiene	Ave	0.8189	0.7276		8.62	9.70	-11.1	30.0
Bromomethane	Ave	1.210	1.015		8.72	10.4	-16.1	30.0
Chloroethane	Ave	0.3856	0.3241		8.88	10.6	-16.0	30.0
Isopentane	Ave	1.004	0.8083		8.41	10.4	-19.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.144	1.052		9.24	10.0	-8.0	30.0
Trichlorofluoromethane	Ave	3.154	2.927		9.66	10.4	-7.2	30.0
n-Pentane	Ave	1.498	1.248		8.50	10.2	-16.7	30.0
Ethanol	Ave	0.2995	0.2796		13.7	14.7	-6.6	30.0
Ethyl ether	Ave	0.5336	0.3850		7.38	10.2	-27.9	30.0
Acrolein	Ave	0.1664	0.1783		10.4	9.71	7.1	30.0
1,1-Dichloroethene	Ave	1.073	0.9927		9.43	10.2	-7.5	30.0
Acetone	Ave	1.039	0.9834		9.87	10.4	-5.4	30.0
Freon TF	Ave	2.442	2.094		9.15	10.7	-14.3	30.0
Isopropyl alcohol	Ave	1.345	1.361		10.3	10.2	1.2	30.0
Carbon disulfide	Ave	3.028	2.671		9.13	10.4	-11.8	30.0
Acetonitrile	Ave	0.4801	0.4624		9.36	9.72	-3.7	30.0
3-Chloropropene	Ave	1.285	1.052		8.79	10.7	-18.1	30.0
Methylene Chloride	Ave	1.174	1.009		8.81	10.2	-14.0	30.0
tert-Butyl alcohol	Ave	1.575	1.600		11.0	10.8	1.6	30.0
Acrylonitrile	Ave	0.4709	0.3847		8.32	10.2	-18.3	30.0
trans-1,2-Dichloroethene	Ave	1.738	1.365		8.12	10.3	-21.4	30.0
Methyl tert-butyl ether	Ave	2.341	1.948		8.79	10.6	-16.8	30.0
n-Hexane	Ave	1.291	1.062		8.61	10.5	-17.8	30.0
1,1-Dichloroethane	Ave	1.807	1.489		8.46	10.3	-17.6	30.0
Vinyl acetate	Ave	1.757	1.666		9.54	10.1	-5.2	30.0
Methyl Ethyl Ketone	Ave	0.3528	0.3416		10.0	10.4	-3.2	30.0
cis-1,2-Dichloroethene	Ave	1.128	0.9733		8.95	10.4	-13.7	30.0
Ethyl acetate	Ave	0.0472	0.0508		11.0	10.2	7.5	30.0
Tetrahydrofuran	Ave	0.1438	0.1384		9.44	9.81	-3.7	30.0
Chloroform	Ave	2.739	2.286		8.61	10.3	-16.6	30.0
1,1,1-Trichloroethane	Ave	0.5556	0.4574		8.49	10.3	-17.7	30.0
Cyclohexane	Ave	0.2535	0.2174		8.76	10.2	-14.3	30.0
Carbon tetrachloride	Ave	0.6522	0.5516		8.50	10.0	-15.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1

SDG No.: _____

Lab Sample ID: ICV 200-170973/12 Calibration Date: 09/03/2021 19:37

Instrument ID: CHG.i Calib Start Date: 09/03/2021 10:46

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/03/2021 16:55

Lab File ID: 200-47404-012.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6546	0.4858		7.71	10.4	-25.8	30.0
1,2-Dichloroethane	Ave	0.3339	0.2350		7.36	10.5	-29.6	30.0
2,2,4-Trimethylpentane	Ave	1.142	0.9520		8.45	10.1	-16.6	30.0
n-Heptane	Ave	0.4650	0.3555		7.88	10.3	-23.5	30.0
n-Butanol	Ave	0.1692	0.1672		9.00	9.11	-1.2	30.0
Trichloroethene	Ave	0.4995	0.4036		8.31	10.3	-19.2	30.0
1,2-Dichloropropane	Ave	0.2912	0.2160		7.68	10.3	-25.8	30.0
Dibromomethane	Ave	0.4130	0.3945		9.88	10.3	-4.5	30.0
Methyl methacrylate	Ave	0.2515	0.2120		8.60	10.2	-15.7	30.0
1,4-Dioxane	Ave	0.1493	0.1607		11.1	10.3	7.6	30.0
Bromodichloromethane	Ave	0.6948	0.5904		8.74	10.3	-15.0	30.0
cis-1,3-Dichloropropene	Ave	0.5318	0.4217		7.88	9.94	-20.7	30.0
methyl isobutyl ketone	Ave	0.7365	0.5461		7.55	10.2	-25.9	30.0
Toluene	Ave	0.5976	0.4708		8.03	10.2	-21.2	30.0
n-Octane	Ave	0.8553	0.6031		7.26	10.3	-29.5	30.0
trans-1,3-Dichloropropene	Ave	0.4956	0.3914		7.78	9.85	-21.0	30.0
1,1,2-Trichloroethane	Ave	0.3169	0.2535		8.39	10.5	-20.0	30.0
Tetrachloroethene	Ave	0.6067	0.5379		9.28	10.5	-11.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6660	0.5552		8.43	10.1	-16.6	30.0
Dibromochloromethane	Ave	0.8186	0.6524		8.45	10.6	-20.3	30.0
1,2-Dibromoethane	Ave	0.5707	0.4890		9.13	10.7	-14.3	30.0
Chlorobenzene	Ave	0.8491	0.7192		8.89	10.5	-15.3	30.0
Ethylbenzene	Ave	1.414	1.183		8.56	10.2	-16.3	30.0
m,p-Xylene	Ave	0.4938	0.4843		19.6	20.0	-1.9	30.0
n-Nonane	Ave	0.7468	0.5626		7.89	10.5	-24.7	30.0
Xylene, o-	Ave	0.5149	0.4654		9.37	10.4	-9.6	30.0
Styrene	Ave	0.7863	0.7397		9.67	10.3	-5.9	30.0
Bromoform	Ave	0.7675	0.7645		10.3	10.3	-0.4	30.0
Cumene	Ave	1.517	1.384		9.54	10.5	-8.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9007	0.7721		8.87	10.3	-14.3	30.0
1,2,3-Trichloropropane	Ave	0.6464	0.5654		9.30	10.6	-12.5	30.0
n-Propylbenzene	Ave	1.886	1.692		9.29	10.4	-10.3	30.0
2-Chlorotoluene	Ave	1.221	1.091		9.32	10.4	-10.6	30.0
4-Ethyltoluene	Ave	1.544	1.427		9.47	10.2	-7.5	30.0
1,3,5-Trimethylbenzene	Ave	1.339	1.227		9.61	10.5	-8.4	30.0
n-Decane	Ave	0.8885	0.7574		8.81	10.3	-14.8	30.0
Alpha Methyl Styrene	Ave	0.6592	0.6695		10.3	10.2	1.6	30.0
tert-Butylbenzene	Ave	1.270	1.166		9.54	10.4	-8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.365	1.253		9.58	10.4	-8.3	30.0
sec-Butylbenzene	Ave	1.966	1.791		9.52	10.5	-8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Lab Sample ID: ICV 200-170973/12 Calibration Date: 09/03/2021 19:37
 Instrument ID: CHG.i Calib Start Date: 09/03/2021 10:46
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/03/2021 16:55
 Lab File ID: 200-47404-012.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
1,3-Dichlorobenzene	Ave	0.9597	0.9718		10.3	10.2	1.3	30.0
4-Isopropyltoluene	Ave	1.666	1.497		9.43	10.5	-10.2	30.0
1,4-Dichlorobenzene	Ave	0.9831	0.9673		10.2	10.4	-1.6	30.0
Benzyl chloride	Ave	1.247	1.186		9.66	10.2	-4.9	30.0
1,2-Dichlorobenzene	Ave	0.9544	0.9147		10.3	10.8	-4.2	30.0
n-Butylbenzene	Ave	1.650	1.481		9.43	10.5	-10.3	30.0
n-Undecane	Ave	0.8867	0.8421		10.2	10.7	-5.0	30.0
n-Dodecane	Ave	0.8964	0.6945		8.24	10.6	-22.5	30.0
1,2,4-Trichlorobenzene	Ave	0.8238	0.8591		11.4	11.0	4.3	30.0
Hexachlorobutadiene	Ave	1.003	0.8703		9.41	10.8	-13.2	30.0
Naphthalene	Ave	1.729	1.707		10.4	10.5	-1.3	30.0
1,2,3-Trichlorobenzene	Ave	0.8264	0.6984		9.18	10.9	-15.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-171182/4 Calibration Date: 09/10/2021 12:16
 Instrument ID: CHG.i Calib Start Date: 09/03/2021 10:46
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/03/2021 16:55
 Lab File ID: 200-47482-004.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	2.418	3.008		12.8	10.3	24.4	30.0
Dichlorodifluoromethane	Ave	7.947	9.239		12.1	10.4	16.3	30.0
Freon 22	Ave	3.953	4.378		11.6	10.5	10.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.379	4.732		11.2	10.4	8.1	30.0
Chloromethane	Ave	1.031	1.134		12.0	10.9	10.1	30.0
Vinyl chloride	Ave	1.165	1.183		10.5	10.4	1.5	30.0
n-Butane	Ave	1.465	1.574		11.1	10.4	7.4	30.0
1,3-Butadiene	Ave	0.8189	0.7942		9.81	10.1	-3.0	30.0
Bromomethane	Ave	1.210	1.228		10.5	10.3	1.5	30.0
Chloroethane	Ave	0.3856	0.4085		11.0	10.4	5.9	30.0
Isopentane	Ave	1.004	0.9792		10.2	10.4	-2.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.144	1.163		10.6	10.4	1.7	30.0
Trichlorofluoromethane	Ave	3.154	3.291		11.0	10.6	4.4	30.0
n-Pentane	Ave	1.498	1.540		10.4	10.1	2.8	30.0
Ethanol	Ave	0.2995	0.3459		17.3	15.0	15.5	30.0
Ethyl ether	Ave	0.5336	0.4709		8.89	10.1	-11.8	30.0
Acrolein	Ave	0.1664	0.1951		11.4	9.72	17.2	30.0
1,1-Dichloroethene	Ave	1.073	1.083		10.4	10.3	0.9	30.0
Acetone	Ave	1.039	1.226		12.1	10.2	18.0	30.0
Freon TF	Ave	2.442	2.404		10.3	10.5	-1.6	30.0
Isopropyl alcohol	Ave	1.345	1.477		11.2	10.2	9.8	30.0
Carbon disulfide	Ave	3.028	3.091		10.4	10.2	2.1	30.0
Acetonitrile	Ave	0.4801	0.5398		11.1	9.90	12.4	30.0
3-Chloropropene	Ave	1.285	1.205		9.98	10.6	-6.2	30.0
Methylene Chloride	Ave	1.174	1.219		10.7	10.3	3.8	30.0
tert-Butyl alcohol	Ave	1.575	1.711		11.7	10.8	8.6	30.0
Acrylonitrile	Ave	0.4709	0.4924		10.6	10.1	4.6	30.0
trans-1,2-Dichloroethene	Ave	1.738	1.611		9.46	10.2	-7.3	30.0
Methyl tert-butyl ether	Ave	2.341	2.298		10.3	10.4	-1.9	30.0
n-Hexane	Ave	1.291	1.244		10.2	10.6	-3.6	30.0
1,1-Dichloroethane	Ave	1.807	1.668		9.23	10.0	-7.7	30.0
Vinyl acetate	Ave	1.757	1.966		11.6	10.4	11.9	30.0
Methyl Ethyl Ketone	Ave	0.3528	0.3826		11.2	10.3	8.4	30.0
cis-1,2-Dichloroethene	Ave	1.128	1.147		10.3	10.1	1.7	30.0
Ethyl acetate	Ave	0.0472	0.0568		12.2	10.1	20.4	30.0
Tetrahydrofuran	Ave	0.1438	0.1787		12.4	9.99	24.3	30.0
Chloroform	Ave	2.739	2.602		9.59	10.1	-5.0	30.0
1,1,1-Trichloroethane	Ave	0.5556	0.5594		10.3	10.2	0.7	30.0
Cyclohexane	Ave	0.2535	0.2559		10.2	10.1	1.0	30.0
Carbon tetrachloride	Ave	0.6522	0.6474		10.1	10.2	-0.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1

SDG No.: _____

Lab Sample ID: CCVIS 200-171182/4 Calibration Date: 09/10/2021 12:16

Instrument ID: CHG.i Calib Start Date: 09/03/2021 10:46

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/03/2021 16:55

Lab File ID: 200-47482-004.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.6546	0.5613		8.86	10.3	-14.3	30.0
1,2-Dichloroethane	Ave	0.3339	0.2863		8.88	10.4	-14.3	30.0
2,2,4-Trimethylpentane	Ave	1.142	1.091		10.0	10.5	-4.4	30.0
n-Heptane	Ave	0.4650	0.4203		9.50	10.5	-9.6	30.0
n-Butanol	Ave	0.1692	0.1688		9.53	9.55	-0.2	30.0
Trichloroethene	Ave	0.4995	0.4212		8.88	10.5	-15.7	30.0
1,2-Dichloropropane	Ave	0.2912	0.2548		9.02	10.3	-12.5	30.0
Dibromomethane	Ave	0.4130	0.3969		9.90	10.3	-3.9	30.0
Methyl methacrylate	Ave	0.2515	0.2446		9.88	10.2	-2.8	30.0
1,4-Dioxane	Ave	0.1493	0.1596		11.3	10.6	6.9	30.0
Bromodichloromethane	Ave	0.6948	0.6311		9.60	10.6	-9.2	30.0
cis-1,3-Dichloropropene	Ave	0.5318	0.4673		9.13	10.4	-12.1	30.0
methyl isobutyl ketone	Ave	0.7365	0.6421		8.93	10.2	-12.8	30.0
Toluene	Ave	0.5976	0.5662		9.62	10.2	-5.2	30.0
n-Octane	Ave	0.8553	0.6837		8.26	10.3	-20.1	30.0
trans-1,3-Dichloropropene	Ave	0.4956	0.4643		9.26	9.88	-6.3	30.0
1,1,2-Trichloroethane	Ave	0.3169	0.3034		10.0	10.5	-4.2	30.0
Tetrachloroethene	Ave	0.6067	0.5943		10.3	10.5	-2.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6660	0.6236		9.35	9.99	-6.4	30.0
Dibromochloromethane	Ave	0.8186	0.8063		9.53	9.68	-1.5	30.0
1,2-Dibromoethane	Ave	0.5707	0.5783		10.7	10.6	1.3	30.0
Chlorobenzene	Ave	0.8491	0.8187		10.1	10.5	-3.6	30.0
Ethylbenzene	Ave	1.414	1.364		9.86	10.2	-3.5	30.0
m,p-Xylene	Ave	0.4938	0.5369		22.4	20.6	8.7	30.0
n-Nonane	Ave	0.7468	0.6609		9.27	10.5	-11.5	30.0
Xylene, o-	Ave	0.5149	0.5297		10.7	10.4	2.9	30.0
Styrene	Ave	0.7863	0.8449		11.1	10.3	7.5	30.0
Bromoform	Ave	0.7675	0.7869		10.5	10.3	2.5	30.0
Cumene	Ave	1.517	1.589		10.9	10.4	4.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9007	0.8966		10.3	10.3	-0.5	30.0
1,2,3-Trichloropropane	Ave	0.6464	0.6749		11.1	10.6	4.4	30.0
n-Propylbenzene	Ave	1.886	1.928		10.6	10.4	2.2	30.0
2-Chlorotoluene	Ave	1.221	1.244		10.6	10.4	1.9	30.0
4-Ethyltoluene	Ave	1.544	1.606		10.7	10.3	4.0	30.0
1,3,5-Trimethylbenzene	Ave	1.339	1.408		10.9	10.4	5.2	30.0
n-Decane	Ave	0.8885	0.8671		10.2	10.4	-2.4	30.0
Alpha Methyl Styrene	Ave	0.6592	0.7274		11.3	10.2	10.3	30.0
tert-Butylbenzene	Ave	1.270	1.345		11.0	10.4	5.9	30.0
1,2,4-Trimethylbenzene	Ave	1.365	1.435		10.9	10.4	5.1	30.0
sec-Butylbenzene	Ave	1.966	2.054		10.9	10.5	4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59910-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-171182/4 Calibration Date: 09/10/2021 12:16
 Instrument ID: CHG.i Calib Start Date: 09/03/2021 10:46
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/03/2021 16:55
 Lab File ID: 200-47482-004.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
1,3-Dichlorobenzene	Ave	0.9597	1.039		11.4	10.6	8.2	30.0
4-Isopropyltoluene	Ave	1.666	1.753		10.8	10.3	5.2	30.0
1,4-Dichlorobenzene	Ave	0.9831	1.029		11.0	10.5	4.7	30.0
Benzyl chloride	Ave	1.247	1.324		11.2	10.6	6.1	30.0
1,2-Dichlorobenzene	Ave	0.9544	1.046		11.4	10.4	9.6	30.0
n-Butylbenzene	Ave	1.650	1.694		10.7	10.4	2.7	30.0
n-Undecane	Ave	0.8867	0.9777		11.5	10.5	10.3	30.0
n-Dodecane	Ave	0.8964	1.051		11.0	9.36	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.8238	0.9734		12.8	10.9	18.2	30.0
Hexachlorobutadiene	Ave	1.003	1.093		11.2	10.3	9.0	30.0
Naphthalene	Ave	1.729	2.081		11.7	9.72	20.3	30.0
1,2,3-Trichlorobenzene	Ave	0.8264	0.9778		10.8	9.12	18.3	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BurlingtonJob No.: 200-59910-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 09/03/2021 09:58Analysis Batch Number: 170973End Date: 09/03/2021 19:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-170973/1		09/03/2021 09:58	1	200-47404-001.D	RTX-624 0.32 (mm)
IC 200-170973/2		09/03/2021 10:46	1	200-47404-002.D	RTX-624 0.32 (mm)
IC 200-170973/3		09/03/2021 11:38	1	200-47404-003.D	RTX-624 0.32 (mm)
IC 200-170973/4		09/03/2021 12:31	1	200-47404-004.D	RTX-624 0.32 (mm)
IC 200-170973/5		09/03/2021 13:24	1	200-47404-005.D	RTX-624 0.32 (mm)
ICIS 200-170973/6		09/03/2021 14:17	1	200-47404-006.D	RTX-624 0.32 (mm)
IC 200-170973/7		09/03/2021 15:10	1	200-47404-007.D	RTX-624 0.32 (mm)
IC 200-170973/8		09/03/2021 16:03	1	200-47404-008.D	RTX-624 0.32 (mm)
IC 200-170973/9		09/03/2021 16:55	1	200-47404-009.D	RTX-624 0.32 (mm)
ICV 200-170973/12		09/03/2021 19:37	1	200-47404-012.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BurlingtonJob No.: 200-59910-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 09/10/2021 09:44Analysis Batch Number: 171182End Date: 09/11/2021 06:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-171182/1		09/10/2021 09:44	1	200-47482-001.D	RTX-624 0.32 (mm)
CCVIS 200-171182/4		09/10/2021 12:16	1	200-47482-004.D	RTX-624 0.32 (mm)
LCS 200-171182/7		09/10/2021 14:28	1	200-47482-007.D	RTX-624 0.32 (mm)
MB 200-171182/9		09/10/2021 16:13	1	200-47482-009.D	RTX-624 0.32 (mm)
200-59910-12	2860	09/10/2021 17:06	0.2	200-47482-010.D	RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 17:59	10		RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 18:53	10		RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 19:46	10		RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 20:40	10		RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 21:33	1		RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 22:27	1		RTX-624 0.32 (mm)
ZZZZZ		09/10/2021 23:20	10		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 00:13	10		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 01:06	10		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 01:59	10		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 02:52	10		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 03:45	1		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 04:37	1		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 05:30	1		RTX-624 0.32 (mm)
ZZZZZ		09/11/2021 06:23	10		RTX-624 0.32 (mm)

Shipping and Receiving Documents

[illegible]

ORIGIN ID: AIVA (646) 630-1481
AJAY SINGH
SHIP DATE: 11OCT21
ACTWGT: 10.00 LB
CAD: 112977992/NET4400

4732 32ND PLACE
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

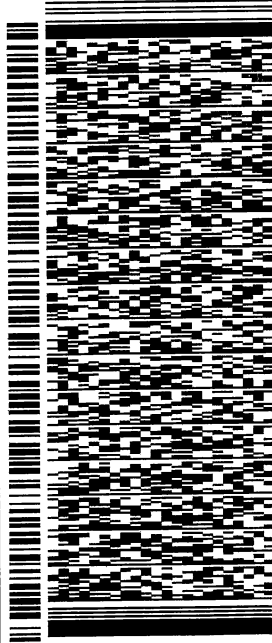
BILL RECIPIENT

TO **SAMPLING RECEIVING BVT**
TESTAMERICA
530 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403

REF: (802) 923-1026
INV: PO: DEPT

56DJ2J0778/FE4A



TUE - 12 OCT 10:30A

PRIORITY OVERNIGHT

DSR

05403

BTV

VT-US

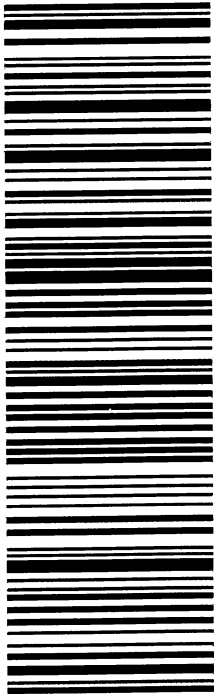
3 of 4

MPS# **7749 3482 0887**

0263

Mstr# **7749 3482 0122**

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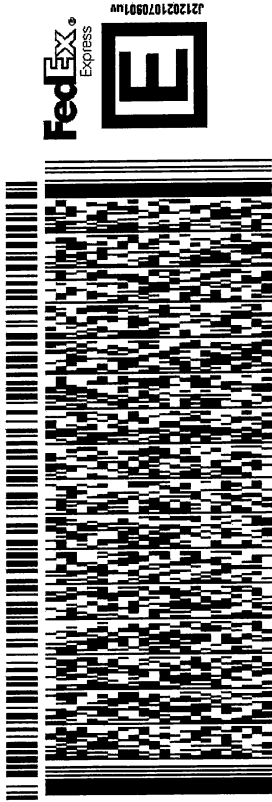
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ORIGIN ID: AIVA (646) 630-1481
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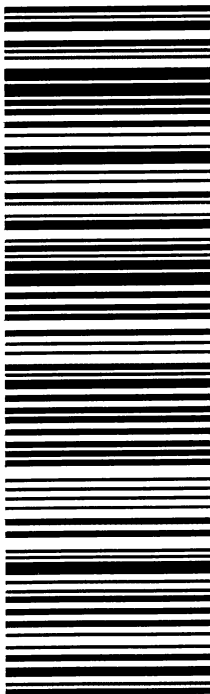
TO **SAMPLING RECEIVING BVT**
TESTAMERICA
530 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403

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4 of 4
MPS# 7749 3482 0589
0263
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PRIORITY OVERNIGHT
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Login Sample Receipt Checklist

Client: Environmental Assessment & Remediations

Job Number: 200-60507-1

SDG Number: 200-60507-1

Login Number: 60507

List Number: 1

Creator: Sofio, Michael G

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	